

Leu Pro Glu Leu Lys Gly Lys Glu Lys Leu Gly Glu Thr Ser Leu Phe
165 170 175

Val Leu Val Lys Ser Ala Ala
180

(2) INFORMATION FOR SEQ ID NO:1170:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 870 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..870
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597162

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1170:

atggcgactc tcttactgc gacggttcct tctaccacc gttcgtctc tccatccaa 60
catccgaaac agagtcttct atcgcagtc ctaagcgtca cattcacgga gaatccacaa 120
ccaacggcgg tggtcacatt gcaggagcag caattgacgg attggattac ttctccggtg 180
acgcgacggt tcggaatcgg cgccgggtt acctgggctg gtttttagc tttcggtgtt 240
gtctccgagc agatgaagaa gtcacgactc gatgtgttca aggaagagga taacacaaga 300
gttttagaaa agcaagaaga gatcatctt ccaaacggca taaggacta tgatctacaa 360
gttggaaagtg gagctactcc aagctcagga tactggtag tggatgt aaaggacaa 420
gtacatggca ctgaacaagt gttcgtggac acatttggag gcaaaggcaa gtcactagcg 480
atggtaatgg actcaagacc gtatagcaag ggactatgcc aaggtataga gcatgttctc 540
aggtcaatga aggctggagg taaacgtaga gtgataattc caccgtcctt agatttggg 600
gacagaaaatg tcgaatttgg acagggtttg gagattcctc catctgcaac acttgactat 660
atcatcgagg ttgatacagt ttattgttca caaactattg tggtttacca gttcatattc 720
ttcgtaatca cggctcttt caaatggat caagtactg actttgctgg tagcacaaac 780
ttcgttatac ttgctgtgtt aacacttgtt ctcaaaggct cttggcattt tcgacaggat 840
cttgcaatgg gggaaagatc gtcgcttga

(2) INFORMATION FOR SEQ ID NO:1171:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 289 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..289
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597163

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1171:

Met Ala Thr Leu Phe Thr Ala Thr Val Pro Ser His His Arg Phe Val
1 5 10 15
Ser Pro Ser Gln His Pro Lys Gln Ser Leu Leu Ser Gln Ser Leu Ser
20 25 30
Val Thr Phe Thr Glu Asn Pro Gln Pro Thr Ala Val Val Thr Leu Gln
35 40 45
Glu Gln Gln Leu Thr Asp Trp Ile Thr Ser Pro Val Thr Arg Arg Phe
50 55 60
Gly Ile Gly Ala Gly Phe Thr Trp Ala Gly Phe Leu Ala Phe Gly Val
65 70 75 80
Val Ser Glu Gln Met Lys Lys Ser Arg Leu Asp Val Phe Gln Glu Glu
85 90 95
Asp Asn Thr Arg Gly Leu Glu Lys Gln Glu Glu Ile Ile Leu Pro Asn
100 105 110
Gly Ile Arg Tyr Tyr Asp Leu Gln Val Gly Ser Gly Ala Thr Pro Ser
115 120 125
Ser Gly Tyr Leu Val Val Phe Asp Val Lys Gly Gln Val His Gly Thr
130 135 140

Glu Gln Val Phe Val Asp Thr Phe Gly Gly Lys Gly Lys Ser Leu Ala
145 150 155 160
Met Val Met Asp Ser Arg Pro Tyr Ser Lys Gly Leu Cys Gln Gly Ile
165 170 175
Glu His Val Leu Arg Ser Met Lys Ala Gly Gly Lys Arg Arg Val Ile
180 185 190
Ile Pro Pro Ser Leu Gly Phe Gly Asp Arg Asn Val Glu Phe Gly Gln
195 200 205
Gly Leu Glu Ile Pro Pro Ser Ala Thr Leu Asp Tyr Ile Ile Glu Val
210 215 220
Asp Thr Val Tyr Cys Phe Gln Thr Ile Val Val Tyr Gln Phe Ile Phe
225 230 235 240
Phe Val Ile Thr Ala Leu Phe Lys Phe Asp Gln Val Thr Asp Phe Ala
245 250 255
Gly Ser Thr Asn Phe Val Ile Leu Ala Val Leu Thr Leu Val Leu Lys
260 265 270
Ala Ser Trp His Phe Arg Gln Asp Leu Ala Met Gly Gly Arg Ser Ser
275 280 285
Leu

(2) INFORMATION FOR SEQ ID NO:1172:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 205 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..205
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597165

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1172:

Met Lys Ser Arg Leu Asp Val Phe Gln Glu Glu Asp Asn Thr Arg
1 5 10 15
Gly Leu Glu Lys Gln Glu Glu Ile Ile Leu Pro Asn Gly Ile Arg Tyr
20 25 30
Tyr Asp Leu Gln Val Gly Ser Gly Ala Thr Pro Ser Ser Gly Tyr Leu
35 40 45
Val Val Phe Asp Val Lys Gly Gln Val His Gly Thr Glu Gln Val Phe
50 55 60
Val Asp Thr Phe Gly Gly Lys Ser Leu Ala Met Val Met Asp
65 70 75 80
Ser Arg Pro Tyr Ser Lys Gly Leu Cys Gln Gly Ile Glu His Val Leu
85 90 95
Arg Ser Met Lys Ala Gly Gly Lys Arg Arg Val Ile Ile Pro Pro Ser
100 105 110
Leu Gly Phe Gly Asp Arg Asn Val Glu Phe Gly Gln Gly Leu Glu Ile
115 120 125
Pro Pro Ser Ala Thr Leu Asp Tyr Ile Ile Glu Val Asp Thr Val Tyr
130 135 140
Cys Phe Gln Thr Ile Val Val Tyr Gln Phe Ile Phe Phe Val Ile Thr
145 150 155 160
Ala Leu Phe Lys Phe Asp Gln Val Thr Asp Phe Ala Gly Ser Thr Asn
165 170 175
Phe Val Ile Leu Ala Val Leu Thr Leu Val Leu Lys Ala Ser Trp His
180 185 190
Phe Arg Gln Asp Leu Ala Met Gly Gly Arg Ser Ser Leu
195 200 205

(2) INFORMATION FOR SEQ ID NO:1173:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 600 base pairs

- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..600
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597170

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1173:

atggggagg gtaaccagt ggaagaagt agctacatca acaaacaacca	gggtggctac	60
aaaggataca acaacttcaa aaccaacaat cccaacctct	cctaccgtag caccagcggt	120
gctaattcctc aggatcaggt gtatcccgtg caacaacaac aaggtcagaa	caaacccttt	180
gttctctaca accaagggtt cggtcctaag cagaatttn tgggaaacta	ccagccgcca	240
ccaccacctg gattgcaca tcagaaaaac catgtggaa acactgaata	ccaaagtccg	300
atacttagag ggacattctg catttcttc agctccaaca caaacaagcc	aaactaccca	360
ggcaaagcag ttcaaatct aaaagaatat gctcatgcta ttacactgcg	tagtgaaaa	420
gcacttccaa cttagggagga accaaagacg gtcactgagg acagtgaaga	tcaagatgga	480
gaggatttaa gtctcgagca accactcgac ntgtcaactcg agcancact	cgaccaacca	540
ctcgagcaac cactcgaccg tgctactcaa cctatcttcc cagcagtata	atcaacgtag	600

(2) INFORMATION FOR SEQ ID NO:1174:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 199 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..199
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597171

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1174:

Met Gly Lys Gly Asn Gln Leu Glu Glu Val Ser Tyr Ile Asn Asn Asn			
1	5	10	15
Gln Gly Gly Tyr Lys Gly Tyr Asn Asn Phe Lys Thr Asn Asn Pro Asn			
20	25	30	
Leu Ser Tyr Arg Ser Thr Ser Val Ala Asn Pro Gln Asp Gln Val Tyr			
35	40	45	
Pro Val Gln Gln Gln Gly Gln Asn Lys Pro Phe Val Leu Tyr Asn			
50	55	60	
Gln Gly Phe Val Pro Lys Gln Gln Phe Xaa Gly Asn Tyr Gln Pro Pro			
65	70	75	80
Pro Pro Pro Gly Phe Ala His Gln Gln Asn His Asp Gly Asn Thr Glu			
85	90	95	
Tyr Gln Ser Pro Ile Leu Arg Gly Thr Phe Cys Ile Phe Phe Ser Ser			
100	105	110	
Asn Thr Asn Lys Pro Asn Tyr Pro Gly Lys Ala Val Gln Asn Leu Lys			
115	120	125	
Glu Tyr Ala His Ala Ile Thr Leu Arg Ser Gly Lys Ala Leu Pro Thr			
130	135	140	
Arg Glu Glu Pro Lys Thr Val Thr Glu Asp Ser Glu Asp Gln Asp Gly			
145	150	155	160
Glu Asp Leu Ser Leu Glu Gln Pro Leu Asp Xaa Ser Leu Glu Xaa Pro			
165	170	175	
Leu Asp Gln Pro Leu Glu Gln Pro Leu Asp Arg Ala Thr Gln Pro Ile			
180	185	190	
Phe Pro Ala Val Ser Ser Thr			
195			

(2) INFORMATION FOR SEQ ID NO:1175:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 126 amino acids

- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..126
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597173

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1175:
Trp Gly Arg Val Thr Ser Trp Lys Lys Ser Ala Thr Ser Thr Thr Thr
1 5 10 15
Arg Val Ala Thr Lys Asp Thr Thr Ser Lys Pro Thr Ile Pro Thr
20 25 30
Ser Pro Thr Val Ala Pro Ala Leu Leu Ile Leu Arg Ile Arg Cys Ile
35 40 45
Pro Cys Asn Asn Asn Lys Val Arg Thr Asn Leu Leu Phe Ser Thr Thr
50 55 60
Lys Val Ser Phe Leu Ser Ser Asn Xaa Trp Gly Thr Thr Ser Arg His
65 70 75 80
His His Leu Asp Leu His Ile Ser Lys Thr Met Met Glu Thr Leu Asn
85 90 95
Thr Lys Val Arg Tyr Leu Glu Gly His Ser Ala Ser Ser Ser Ala Pro
100 105 110
Thr Gln Thr Ser Gln Thr Thr Gln Ala Lys Gln Phe Arg Ile
115 120 125

(2) INFORMATION FOR SEO ID NO: 1176:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 1026 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ii) MOLECULE

(A) NAME/KEY: -

(B) LOCATION: 1..1026

(D) OTHER INFORMATION: / Ceres Seq. ID 1597192

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1176:

gaagaacccc gtaacgttta tctcggttg tgrctgatg gttcaatcc atttggcatg
tctcgtaatc attcggttg gcctgtgatc ctaactcctt ataatttacc ccctggatg
tgcataata cagagtactt atttcttacc attctgaatt ctggtccaaa tcatcctcgaa
gctagtcgg atgtcttcc ccaaccttattgaggat taaaagagtt gtggctact
ggagtcgatg cgtagatgt ttcattggat cagaatttta atctaaaagc agtactacta
tggacgatta gcgactttcc ggcgtatagc atgttatca gatggactac tcagtttgt
aaatgttagt tggcgaaga ttatcttct gcgaaatatc catgcttgcc cggaaaagaa
ctctacgcga gaagagcgaa agaatatcat ctatgggtt aagaatatgt aacatactgg
aacactactt ctccatttcc tactgggtt caagagattt tgcaaggacc tttgaacaag
gttaaaactt ggccaatgtt tttcacaaga ggatattttt ttcatacgca aaatcacggc
gctggacgaa agacatgtaa ctatgggtc tggatggat gttggaaatcgatggat
tctgtatggat cggatttcta cggtacccat actgataata tagaactcgatggat
caagttgtt atattccgtt tccatatacg aagaacccaa agaacattt gctcaatgtt
ctaaaagtca atccgggggg aaatatttctt ggagaatatg aaaacaatga tccaactt
ttgcaaacag aaaatgtatgatgatgatggatggatggatggatggatggatggatggat
actccggtag ccaacttaaa cccaaataatc cttgattacg atgtcgggaa tgctgaacc
gaagacgaat tccgatgtaa tttatcgatcc tcggacgaaatgatgatggatggatggat
gtataa

(2) INFORMATION FOR SEQ ID NO:1177:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 341 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..341

(D) OTHER INFORMATION: / Ceres Seq. ID 1597193

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1177:

Glu Glu Pro Arg Asn Val Tyr Leu Gly Leu Cys Xaa Asp Gly Phe Asn
1 5 10 15
Pro Phe Gly Met Ser Arg Asn His Ser Leu Trp Pro Val Ile Leu Thr
20 25 30
Pro Tyr Asn Leu Pro Pro Gly Met Cys Met Asn Thr Glu Tyr Leu Phe
35 40 45
Leu Thr Ile Leu Asn Ser Gly Pro Asn His Pro Arg Ala Ser Leu Asp
50 55 60
Val Phe Leu Gln Pro Leu Ile Glu Glu Leu Lys Glu Leu Trp Ser Thr
65 70 75 80
Gly Val Asp Ala Tyr Asp Val Ser Leu Ser Gln Asn Phe Asn Leu Lys
85 90 95
Ala Val Leu Leu Trp Thr Ile Ser Asp Phe Pro Ala Tyr Ser Met Leu
100 105 110
Ser Gly Trp Thr Thr Gln Phe Cys Lys Cys Ser Met Phe Glu Asp Tyr
115 120 125
Leu Ser Ala Lys Tyr Pro Cys Leu Pro Glu Lys Glu Leu Tyr Ala Arg
130 135 140
Arg Ala Lys Glu Tyr His Leu Trp Val Lys Glu Tyr Val Thr Tyr Trp
145 150 155 160
Asn Thr Thr Ser Pro Phe Pro Thr Trp Val Gln Glu Ile Val Gln Gly
165 170 175
Pro Leu Asn Lys Val Lys Thr Trp Pro Met Tyr Phe Thr Arg Gly Tyr
180 185 190
Leu Phe His Thr Gln Asn His Gly Ala Gly Arg Lys Thr Cys Asn Tyr
195 200 205
Gly Val Cys Val Lys Gly Asn Tyr Ala Asp Ser Ser Asp Glu Ala
210 215 220
Asp Phe Tyr Gly Thr Leu Thr Asp Asn Ile Glu Leu Glu Tyr Glu Asp
225 230 235 240
Gln Val Cys Tyr Ile Pro Tyr Pro Tyr Thr Lys Lys Pro Lys Asn Ile
245 250 255
Trp Leu Asn Val Leu Lys Val Asn Pro Arg Gly Asn Ile Ser Gly Glu
260 265 270
Tyr Glu Asn Asn Asp Pro Thr Leu Leu Gln Thr Glu Asn Asp Asp Asp
275 280 285
Val Leu Leu Thr Thr Ile Glu Asp Leu Val Leu Glu Thr Pro Val Ala
290 295 300
Asn Leu Asn Pro Ile Ile Leu Asp Tyr Asp Val Gly Asp Ala Glu Pro
305 310 315 320
Glu Asp Glu Phe Arg Cys Asn Leu Ser Ser Asp Glu Asp Glu Val
325 330 335
Glu Asp Glu Asp Val
340

(2) INFORMATION FOR SEQ ID NO:1178:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 322 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..322

(D) OTHER INFORMATION: / Ceres Seq. ID 1597194

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1178:
Met Ser Arg Asn His Ser Leu Trp Pro Val Ile Leu Thr Pro Tyr Asn
1 5 10 15
Leu Pro Pro Gly Met Cys Met Asn Thr Glu Tyr Leu Phe Leu Thr Ile
20 25 30
Leu Asn Ser Gly Pro Asn His Pro Arg Ala Ser Leu Asp Val Phe Leu
35 40 45
Gln Pro Leu Ile Glu Glu Leu Lys Glu Leu Trp Ser Thr Gly Val Asp
50 55 60
Ala Tyr Asp Val Ser Leu Ser Gln Asn Phe Asn Leu Lys Ala Val Leu
65 70 75 80
Leu Trp Thr Ile Ser Asp Phe Pro Ala Tyr Ser Met Leu Ser Gly Trp
85 90 95
Thr Thr Gln Phe Cys Lys Cys Ser Met Phe Glu Asp Tyr Leu Ser Ala
100 105 110
Lys Tyr Pro Cys Leu Pro Glu Lys Glu Leu Tyr Ala Arg Arg Ala Lys
115 120 125
Glu Tyr His Leu Trp Val Lys Glu Tyr Val Thr Tyr Trp Asn Thr Thr
130 135 140
Ser Pro Phe Pro Thr Trp Val Gln Glu Ile Val Gln Gly Pro Leu Asn
145 150 155 160
Lys Val Lys Thr Trp Pro Met Tyr Phe Thr Arg Gly Tyr Leu Phe His
165 170 175
Thr Gln Asn His Gly Ala Gly Arg Lys Thr Cys Asn Tyr Gly Val Cys
180 185 190
Val Lys Gly Gly Asn Tyr Ala Asp Ser Ser Asp Glu Ala Asp Phe Tyr
195 200 205
Gly Thr Leu Thr Asp Asn Ile Glu Leu Glu Tyr Glu Asp Gln Val Cys
210 215 220
Tyr Ile Pro Tyr Pro Tyr Thr Lys Lys Pro Lys Asn Ile Trp Leu Asn
225 230 235 240
Val Leu Lys Val Asn Pro Arg Gly Asn Ile Ser Gly Glu Tyr Glu Asn
245 250 255
Asn Asp Pro Thr Leu Leu Gln Thr Glu Asn Asp Asp Asp Val Leu Leu
260 265 270
Thr Thr Ile Glu Asp Leu Val Leu Glu Thr Pro Val Ala Asn Leu Asn
275 280 285
Pro Ile Ile Leu Asp Tyr Asp Val Gly Asp Ala Glu Pro Glu Asp Glu
290 295 300
Phe Arg Cys Asn Leu Ser Ser Ser Asp Glu Asp Glu Val Glu Asp Glu
305 310 315 320
Asp Val

(2) INFORMATION FOR SEQ ID NO:1179:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 302 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..302
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597195

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1179:
Met Cys Met Asn Thr Glu Tyr Leu Phe Leu Thr Ile Leu Asn Ser Gly
1 5 10 15
Pro Asn His Pro Arg Ala Ser Leu Asp Val Phe Leu Gln Pro Leu Ile
20 25 30
Glu Glu Leu Lys Glu Leu Trp Ser Thr Gly Val Asp Ala Tyr Asp Val
35 40 45

Ser Leu Ser Gln Asn Phe Asn Leu Lys Ala Val Leu Leu Trp Thr Ile
50 55 60
Ser Asp Phe Pro Ala Tyr Ser Met Leu Ser Gly Trp Thr Thr Gln Phe
65 70 75 80
Cys Lys Cys Ser Met Phe Glu Asp Tyr Leu Ser Ala Lys Tyr Pro Cys
85 90 95
Leu Pro Glu Lys Glu Leu Tyr Ala Arg Arg Ala Lys Glu Tyr His Leu
100 105 110
Trp Val Lys Glu Tyr Val Thr Tyr Trp Asn Thr Thr Ser Pro Phe Pro
115 120 125
Thr Trp Val Gln Glu Ile Val Gln Gly Pro Leu Asn Lys Val Lys Thr
130 135 140
Trp Pro Met Tyr Phe Thr Arg Gly Tyr Leu Phe His Thr Gln Asn His
145 150 155 160
Gly Ala Gly Arg Lys Thr Cys Asn Tyr Gly Val Cys Val Lys Gly Gly
165 170 175
Asn Tyr Ala Asp Ser Ser Asp Glu Ala Asp Phe Tyr Gly Thr Leu Thr
180 185 190
Asp Asn Ile Glu Leu Glu Tyr Glu Asp Gln Val Cys Tyr Ile Pro Tyr
195 200 205
Pro Tyr Thr Lys Lys Pro Lys Asn Ile Trp Leu Asn Val Leu Lys Val
210 215 220
Asn Pro Arg Gly Asn Ile Ser Gly Glu Tyr Glu Asn Asn Asp Pro Thr
225 230 235 240
Leu Leu Gln Thr Glu Asn Asp Asp Val Leu Leu Thr Thr Ile Glu
245 250 255
Asp Leu Val Leu Glu Thr Pro Val Ala Asn Leu Asn Pro Ile Ile Leu
260 265 270
Asp Tyr Asp Val Gly Asp Ala Glu Pro Glu Asp Glu Phe Arg Cys Asn
275 280 285
Leu Ser Ser Ser Asp Glu Asp Glu Val Glu Asp Glu Asp Val
290 295 300

(2) INFORMATION FOR SEQ ID NO:1180:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 240 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..240
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597208

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1180:

tccagtggagg tgcgttcctgt tgtcttgatg ggcaatcggt taacacagtt gcttgcgtgc
atggagctaa gtcggcaaac catgaagacc gtgaagcaa acctttggtg ggcgttcgg
tacaacattg taggaatccc aattgcggct ggagtgttgc taccattgac tggaaaccatg
ttgactccat caatggcggg ggctctcatg ggntgtaagc tctctcggtg tcatgactaa

60
120
180
240

(2) INFORMATION FOR SEQ ID NO:1181:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 79 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..79
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597209
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1181:

Ser Ser Glu Val Ser Pro Val Val Leu Met Gly Asn Arg Leu Thr Gln
1 5 10 15
Leu Leu Asp Ala Met Glu Leu Ser Arg Gln Thr Met Lys Thr Val Lys
20 25 30
Gln Asn Leu Trp Trp Ala Phe Gly Tyr Asn Ile Val Gly Ile Pro Ile
35 40 45
Ala Ala Gly Val Leu Leu Pro Leu Thr Gly Thr Met Leu Thr Pro Ser
50 55 60
Met Ala Gly Ala Leu Met Xaa Cys Lys Leu Ser Arg Cys His Asp
65 70 75

(2) INFORMATION FOR SEQ ID NO:1182:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 70 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..70
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597210

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1182:

Met Gly Asn Arg Leu Thr Gln Leu Leu Asp Ala Met Glu Leu Ser Arg
1 5 10 15
Gln Thr Met Lys Thr Val Lys Gln Asn Leu Trp Trp Ala Phe Gly Tyr
20 25 30
Asn Ile Val Gly Ile Pro Ile Ala Ala Gly Val Leu Leu Pro Leu Thr
35 40 45
Gly Thr Met Leu Thr Pro Ser Met Ala Gly Ala Leu Met Xaa Cys Lys
50 55 60
Leu Ser Arg Cys His Asp
65 70

(2) INFORMATION FOR SEQ ID NO:1183:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 59 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..59
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597211

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1183:

Met Glu Leu Ser Arg Gln Thr Met Lys Thr Val Lys Gln Asn Leu Trp
1 5 10 15
Trp Ala Phe Gly Tyr Asn Ile Val Gly Ile Pro Ile Ala Ala Gly Val
20 25 30
Leu Leu Pro Leu Thr Gly Thr Met Leu Thr Pro Ser Met Ala Gly Ala
35 40 45
Leu Met Xaa Cys Lys Leu Ser Arg Cys His Asp
50 55

(2) INFORMATION FOR SEQ ID NO:1184:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 982 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -

(B) LOCATION: 1..982

(D) OTHER INFORMATION: / Ceres Seq. ID 1597224

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1184:

aacacaattt gatacgcgtc	agtttgacca gaggtctaat	gaagttctcg atggacagga	60
ttagttcttc acctccatatg	atgagggtcca tgagagctt	gatgccatgg gtttgcaaga	120
gaatcttctt aggggttatct	atgcttaacgg tttcgaaaag	ccttctgcta ttccagaaag	180
aggaattgtta ccctttgca	agggtcttga tgtgatccag	caggcacagt ctggtaactgg	240
aaaaaccgcc actttctgct	ctgggtgttt gcacgagctt	gactatgccc ttctccagtg	300
ccaggctctc gttttggctc	ccaccagaga gcttgctcag	cagattgaga aggtcatgctg	360
tgcgccttggt gactaccaag	gtgtcaaggt tcatacgtt	gttggggaa ccagtgtccg	420
tnaggatcag cgcattctcc	aggctgggtgt tcatacggtt	gttggaaactc ctggcgtgt	480
ttttgacatc tttagaagac	aatctctccg ccctgactgc	atcaagatgt ttgtccctga	540
tgaagctgtat gaaatgtctt	cccgtgggtt caaggatcag	atctatgaca tattccagct	600
tctccacca aagattcagg	ttggaggttt ctctgcgaca	atgcctccgg aagctttgga	660
gatcacaagg aaattcatga	gcaaaaccagt gagaatcttg	gtgaaacgtg atgagctcac	720
acttgaaggn tatcaagca	ttctacgtga ancgtggaga	aagaagactg gaangcttga	780
gactctctgc gatctctacg	nagactctag ccatcactca	gagtgtcata tttgtcaaca	840
ctcgtcgcaa ggtcganctg	gctncacaga caaaatgaga	agccgtgacc accacagtctc	900
agcnnnctca tggagacatg	gaccaaaaca ccagagacat	catcatgaga gagttcaggt	960
cntggctcggt	ctcggttctt aa		

(2) INFORMATION FOR SEQ ID NO:1185:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 326 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..326

(D) OTHER INFORMATION: / Ceres Seq. ID 1597225

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1185:

Thr Gln Phe Asp Thr Arg Gln Phe Asp Gln Arg Leu Asn Glu Val Leu			
1	5	10	15
Asp Gly Gln Asp Glu Phe Phe Thr Ser Tyr Asp Glu Val His Glu Ser			
20	25	30	
Phe Asp Ala Met Gly Leu Gln Glu Asn Leu Leu Arg Gly Ile Tyr Ala			
35	40	45	
Tyr Gly Phe Glu Lys Pro Ser Ala Ile Gln Gln Arg Gly Ile Val Pro			
50	55	60	
Phe Cys Lys Gly Leu Asp Val Ile Gln Gln Ala Gln Ser Gly Thr Gly			
65	70	75	80
Lys Thr Ala Thr Phe Cys Ser Gly Val Leu Gln Gln Leu Asp Tyr Ala			
85	90	95	
Leu Leu Gln Cys Gln Ala Leu Val Leu Ala Pro Thr Arg Glu Leu Ala			
100	105	110	
Gln Gln Ile Glu Lys Val Met Arg Ala Leu Gly Asp Tyr Gln Gly Val			
115	120	125	
Lys Val His Ala Cys Val Gly Gly Thr Ser Val Arg Xaa Asp Gln Arg			
130	135	140	
Ile Leu Gln Ala Gly Val His Val Val Val Gly Thr Pro Gly Arg Val			
145	150	155	160
Phe Asp Met Leu Arg Arg Gln Ser Leu Arg Pro Asp Cys Ile Lys Met			
165	170	175	
Phe Val Leu Asp Glu Ala Asp Glu Met Leu Ser Arg Gly Phe Lys Asp			
180	185	190	
Gln Ile Tyr Asp Ile Phe Gln Leu Leu Pro Pro Lys Ile Gln Val Gly			
195	200	205	
Val Phe Ser Ala Thr Met Pro Pro Glu Ala Leu Glu Ile Thr Arg Lys			
210	215	220	
Phe Met Ser Lys Pro Val Arg Ile Leu Val Lys Arg Asp Glu Leu Thr			

225	230	235	240
Leu Glu Xaa Tyr Gln Ala Ile Leu Arg Glu Xaa Trp Arg Lys Lys Thr			
245	250	255	
Gly Xaa Leu Glu Thr Leu Cys Asp Leu Tyr Xaa Asp Ser Ser His His			
260	265	270	
Ser Glu Cys His Leu Cys Gln His Ser Ser Gln Gly Arg Xaa Gly Xaa			
275	280	285	
Thr Asp Lys Met Arg Ser Arg Asp His Thr Val Ser Xaa Xaa Ser Trp			
290	295	300	
Arg His Gly Pro Lys His Gln Arg His His His Glu Arg Val Gln Val			
305	310	315	320
Xaa Ala Arg Leu Val Phe			
	325		

(2) INFORMATION FOR SEQ ID NO:1186:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 291 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..291
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597226

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1186:

Met Gly Leu Gln Glu Asn Leu Leu Arg Gly Ile Tyr Ala Tyr Gly Phe			
1	5	10	15
Glu Lys Pro Ser Ala Ile Gln Gln Arg Gly Ile Val Pro Phe Cys Lys			
20	25	30	
Gly Leu Asp Val Ile Gln Gln Ala Gln Ser Gly Thr Gly Lys Thr Ala			
35	40	45	
Thr Phe Cys Ser Gly Val Leu Gln Gln Leu Asp Tyr Ala Leu Leu Gln			
50	55	60	
Cys Gln Ala Leu Val Leu Ala Pro Thr Arg Glu Leu Ala Gln Gln Ile			
65	70	75	80
Glu Lys Val Met Arg Ala Leu Gly Asp Tyr Gln Gly Val Lys Val His			
85	90	95	
Ala Cys Val Gly Gly Thr Ser Val Arg Xaa Asp Gln Arg Ile Leu Gln			
100	105	110	
Ala Gly Val His Val Val Val Gly Thr Pro Gly Arg Val Phe Asp Met			
115	120	125	
Leu Arg Arg Gln Ser Leu Arg Pro Asp Cys Ile Lys Met Phe Val Leu			
130	135	140	
Asp Glu Ala Asp Glu Met Leu Ser Arg Gly Phe Lys Asp Gln Ile Tyr			
145	150	155	160
Asp Ile Phe Gln Leu Leu Pro Pro Lys Ile Gln Val Gly Val Phe Ser			
165	170	175	
Ala Thr Met Pro Pro Glu Ala Leu Glu Ile Thr Arg Lys Phe Met Ser			
180	185	190	
Lys Pro Val Arg Ile Leu Val Lys Arg Asp Glu Leu Thr Leu Glu Xaa			
195	200	205	
Tyr Gln Ala Ile Leu Arg Glu Xaa Trp Arg Lys Lys Thr Gly Xaa Leu			
210	215	220	
Glu Thr Leu Cys Asp Leu Tyr Xaa Asp Ser Ser His His Ser Glu Cys			
225	230	235	240
His Leu Cys Gln His Ser Ser Gln Gly Arg Xaa Gly Xaa Thr Asp Lys			
245	250	255	
Met Arg Ser Arg Asp His Thr Val Ser Xaa Xaa Ser Trp Arg His Gly			
260	265	270	
Pro Lys His Gln Arg His His His Glu Arg Val Gln Val Xaa Ala Arg			
275	280	285	

Leu Val Phe
290

(2) INFORMATION FOR SEQ ID NO:1187:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 208 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..208
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597227

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1187:

Met Arg Ala Leu Gly Asp Tyr Gln Gly Val Lys Val His Ala Cys Val
1 5 10 15
Gly Gly Thr Ser Val Arg Xaa Asp Gln Arg Ile Leu Gln Ala Gly Val
20 25 30
His Val Val Val Gly Thr Pro Gly Arg Val Phe Asp Met Leu Arg Arg
35 40 45
Gln Ser Leu Arg Pro Asp Cys Ile Lys Met Phe Val Leu Asp Glu Ala
50 55 60
Asp Glu Met Leu Ser Arg Gly Phe Lys Asp Gln Ile Tyr Asp Ile Phe
65 70 75 80
Gln Leu Leu Pro Pro Lys Ile Gln Val Gly Val Phe Ser Ala Thr Met
85 90 95
Pro Pro Glu Ala Leu Glu Ile Thr Arg Lys Phe Met Ser Lys Pro Val
100 105 110
Arg Ile Leu Val Lys Arg Asp Glu Leu Thr Leu Glu Xaa Tyr Gln Ala
115 120 125
Ile Leu Arg Glu Xaa Trp Arg Lys Lys Thr Gly Xaa Leu Glu Thr Leu
130 135 140
Cys Asp Leu Tyr Xaa Asp Ser Ser His His Ser Glu Cys His Leu Cys
145 150 155 160
Gln His Ser Ser Gln Gly Arg Xaa Gly Xaa Thr Asp Lys Met Arg Ser
165 170 175
Arg Asp His Thr Val Ser Xaa Xaa Ser Trp Arg His Gly Pro Lys His
180 185 190
Gln Arg His His His Glu Arg Val Gln Val Xaa Ala Arg Leu Val Phe
195 200 205

(2) INFORMATION FOR SEQ ID NO:1188:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 342 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..342
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597228

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1188:

atgaagtttg acatcagaga agcttcaggg aaatcaacaa caggagttca gaacatnaat	60
attgatgaag nngcagaagc tggAACCCCA ccaagagtta actataacttc tcaacttagc	120
aagctgaaga ggactttga ccacaagaag agagcaacag aaaggcttagc tcagactgga	180
gatcctacaa aagatgactg ctctgttga gtaagctta gtgaattaaa acaagctcac	240
ttgggaggaa gtcccatgtc tatccagnt tgtctcattt atcattataa agtcaatggt	300
cgagtnaact caaaccaagt caagaaagat ctcagccgtt ga	

(2) INFORMATION FOR SEQ ID NO:1189:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 113 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..113
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597229
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1189:

Met Lys Phe Asp Ile Arg Glu Ala Ser Gly Lys Ser Thr Thr Gly Val
1 5 10 15
Gln Asn Xaa Asn Ile Asp Glu Xaa Ala Glu Ala Gly Thr Pro Pro Arg
20 25 30
Val Asn Tyr Thr Ser Gln Leu Ser Lys Leu Lys Arg Thr Phe Asp His
35 40 45
Lys Lys Arg Ala Thr Glu Arg Leu Ala Gln Thr Gly Asp Pro Thr Lys
50 55 60
Asp Asp Cys Ser Val Arg Val Lys Leu Ser Glu Leu Lys Gln Ala His
65 70 75 80
Leu Gly Gly Ser Pro Met Ser Ile Gln Xaa Cys Leu Ile Asp His Tyr
85 90 95
Lys Val Asn Gly Arg Xaa Asn Ser Asn Gln Val Lys Lys Asp Leu Ser
100 105 110

Arg

- (2) INFORMATION FOR SEQ ID NO:1190:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1032 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..1032
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597257
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1190:

atngcntgtn atcattnctg cttnngtcatn cactngcctg ctatngccat ttctgcgttt 60
agtttcattt catttcgggtt attgcatact aggactgtta gaaccaacca actttctact 120
tggcttgact tagagctttc tgatcatatc tcatctgttt gctgtcacact gaattggatt 180
gacatcctaa aatactacaa cgacaggata gtacctgca acctgcttta cagacgcac 240
tctgattcgt ctgttatagc ccnggctgct atctgttgca tgcatacacg gtcagaagga 300
aatcagaacc tcctattcaa cgataacatc gaccgtattt ctcgccaact aagagaacag 360
acagaaaaccg acacaatggc tgacgttgta gatgagcaag agcaacatc caacattgg 420
gctggtgact tccctcacaa ccacaacccag cgcatggaa ttgttccacc tccagtacag 480
aacaacaact ttgagatcaa aagcggtctc attgctatgg ttcaaggaa caagtttcat 540
ggcctgccaa tggaggatcc gctagatcat ctngacgagt tngaaagnct ctgtgnccctn 600
actaaaatca atggagttag tgaagatgg ttnnnnnttc gcttgtttcc attctcactt 660
ggagataaaag cccatctgtg ggaaaagacg ctaccccaga attcaatcac aacctgggat 720
gactgaaaaa aggcccttctt ggcaaaattc ttttcaact ccagaactgc aagactccgg 780
aatgagatat ccggatttac tcagaagcaa aatgaaaagct tctgtgaagc ttgggagcgc 840
tttaagggtt atcaaaccaa atgccctcat cacggattta agcangctnc tctnctcagc 900
acactctata gagncgtctn gcctaagata aggatactgc ttgacaccgc ttcaaattggg 960
aatttttga agaaggatgt tgaagaagga tggtagctag tngaaaanct ttgctcagtc 1020
gnatggcaat na

- (2) INFORMATION FOR SEQ ID NO:1191:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 343 amino acids
 - (B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..343

(D) OTHER INFORMATION: / Ceres Seq. ID 1597258

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1191:

Xaa Xaa Cys Xaa His Xaa Cys Xaa Val Xaa His Xaa Pro Ala Xaa Ala
1 5 10 15
Ile Ser Ala Phe Ser Phe Ile Ser Phe Arg Leu Leu His Thr Arg Thr
20 25 30
Val Arg Thr Asn Gln Leu Ser Thr Trp Leu Asp Leu Glu Leu Ser Asp
35 40 45
His Ile Ser Ser Val Cys Val Thr Leu Asn Trp Ile Asp Ile Leu Lys
50 55 60
Tyr Tyr Asn Asp Arg Ile Val Pro Cys Asn Leu Leu Tyr Arg Arg Ile
65 70 75 80
Ser Asp Ser Ser Val Ile Ala Xaa Ala Ile Cys Cys Met His Thr
85 90 95
Arg Ser Glu Gly Asn Gln Asn Leu Leu Phe Asn Asp Asn Ile Asp Arg
100 105 110
Ile Ala Arg Gln Leu Arg Glu Gln Thr Glu Thr Asp Thr Met Ala Asp
115 120 125
Val Val Asp Glu Gln Glu Gln Pro Thr Asn Ile Gly Ala Gly Asp Phe
130 135 140
Pro His Asn His Asn Gln Arg His Gly Ile Val Pro Pro Pro Val Gln
145 150 155 160
Asn Asn Asn Phe Glu Ile Lys Ser Gly Leu Ile Ala Met Val Gln Gly
165 170 175
Asn Lys Phe His Gly Leu Pro Met Glu Asp Pro Leu Asp His Xaa Asp
180 185 190
Glu Xaa Glu Xaa Leu Cys Xaa Xaa Thr Lys Ile Asn Gly Val Ser Glu
195 200 205
Asp Gly Xaa Xaa Xaa Arg Leu Phe Pro Phe Ser Leu Gly Asp Lys Ala
210 215 220
His Leu Trp Glu Lys Thr Leu Pro Gln Asn Ser Ile Thr Thr Trp Asp
225 230 235 240
Asp Cys Lys Lys Ala Phe Leu Ala Lys Phe Phe Ser Asn Ser Arg Thr
245 250 255
Ala Arg Leu Arg Asn Glu Ile Ser Gly Phe Thr Gln Lys Gln Asn Glu
260 265 270
Ser Phe Cys Glu Ala Trp Glu Arg Phe Lys Gly Tyr Gln Thr Lys Cys
275 280 285
Pro His His Gly Phe Lys Xaa Ala Xaa Xaa Leu Ser Thr Leu Tyr Arg
290 295 300
Xaa Val Xaa Pro Lys Ile Arg Ile Leu Leu Asp Thr Ala Ser Asn Gly
305 310 315 320
Asn Phe Leu Lys Lys Asp Val Glu Glu Gly Trp Xaa Leu Xaa Glu Xaa
325 330 335
Leu Cys Ser Val Xaa Trp Gln
340

(2) INFORMATION FOR SEQ ID NO:1192:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 250 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..250

(D) OTHER INFORMATION: / Ceres Seq. ID 1597259

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1192:

Met His Thr Arg Ser Glu Gly Asn Gln Asn Leu Leu Phe Asn Asp Asn
1 5 10 15
Ile Asp Arg Ile Ala Arg Gln Leu Arg Glu Gln Thr Glu Thr Asp Thr
20 25 30
Met Ala Asp Val Val Asp Glu Gln Glu Gln Pro Thr Asn Ile Gly Ala
35 40 45
Gly Asp Phe Pro His Asn His Asn Gln Arg His Gly Ile Val Pro Pro
50 55 60
Pro Val Gln Asn Asn Asn Phe Glu Ile Lys Ser Gly Leu Ile Ala Met
65 70 75 80
Val Gln Gly Asn Lys Phe His Gly Leu Pro Met Glu Asp Pro Leu Asp
85 90 95
His Xaa Asp Glu Xaa Glu Xaa Leu Cys Xaa Xaa Thr Lys Ile Asn Gly
100 105 110
Val Ser Glu Asp Gly Xaa Xaa Xaa Arg Leu Phe Pro Phe Ser Leu Gly
115 120 125
Asp Lys Ala His Leu Trp Glu Lys Thr Leu Pro Gln Asn Ser Ile Thr
130 135 140
Thr Trp Asp Asp Cys Lys Lys Ala Phe Leu Ala Lys Phe Phe Ser Asn
145 150 155 160
Ser Arg Thr Ala Arg Leu Arg Asn Glu Ile Ser Gly Phe Thr Gln Lys
165 170 175
Gln Asn Glu Ser Phe Cys Glu Ala Trp Glu Arg Phe Lys Gly Tyr Gln
180 185 190
Thr Lys Cys Pro His His Gly Phe Lys Xaa Ala Xaa Xaa Leu Ser Thr
195 200 205
Leu Tyr Arg Xaa Val Xaa Pro Lys Ile Arg Ile Leu Leu Asp Thr Ala
210 215 220
Ser Asn Gly Asn Phe Leu Lys Lys Asp Val Glu Glu Gly Trp Xaa Leu
225 230 235 240
Xaa Glu Xaa Leu Cys Ser Val Xaa Trp Gln
245 250

(2) INFORMATION FOR SEQ ID NO:1193:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 218 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..218

(D) OTHER INFORMATION: / Ceres Seq. ID 1597260

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1193:

Met Ala Asp Val Val Asp Glu Gln Glu Gln Pro Thr Asn Ile Gly Ala
1 5 10 15
Gly Asp Phe Pro His Asn His Asn Gln Arg His Gly Ile Val Pro Pro
20 25 30
Pro Val Gln Asn Asn Asn Phe Glu Ile Lys Ser Gly Leu Ile Ala Met
35 40 45
Val Gln Gly Asn Lys Phe His Gly Leu Pro Met Glu Asp Pro Leu Asp
50 55 60
His Xaa Asp Glu Xaa Glu Xaa Leu Cys Xaa Xaa Thr Lys Ile Asn Gly
65 70 75 80
Val Ser Glu Asp Gly Xaa Xaa Xaa Arg Leu Phe Pro Phe Ser Leu Gly
85 90 95
Asp Lys Ala His Leu Trp Glu Lys Thr Leu Pro Gln Asn Ser Ile Thr
100 105 110

Thr	Trp	Asp	Asp	Cys	Lys	Lys	Ala	Phe	Leu	Ala	Lys	Phe	Phe	Ser	Asn
							115		120			125			
Ser	Arg	Thr	Ala	Arg	Leu	Arg	Asn	Glu	Ile	Ser	Gly	Phe	Thr	Gln	Lys
							130		135			140			
Gln	Asn	Glu	Ser	Phe	Cys	Glu	Ala	Trp	Glu	Arg	Phe	Lys	Gly	Tyr	Gln
							145		150			155			160
Thr	Lys	Cys	Pro	His	His	Gly	Phe	Lys	Xaa	Ala	Xaa	Xaa	Leu	Ser	Thr
							165			170			175		
Leu	Tyr	Arg	Xaa	Val	Xaa	Pro	Lys	Ile	Arg	Ile	Leu	Leu	Asp	Thr	Ala
							180			185			190		
Ser	Asn	Gly	Asn	Phe	Leu	Lys	Lys	Asp	Val	Glu	Glu	Gly	Trp	Xaa	Leu
							195		200			205			
Xaa	Glu	Xaa	Leu	Cys	Ser	Val	Xaa	Trp	Gln						
							210		215						

(2) INFORMATION FOR SEQ ID NO:1194:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 591 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..591
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597261

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1194:

atgtcaacaa	gatcgccact	cgcaaggatt	caacctacaa	gaacgttgggt	tggacttccc	60
ngtggttaca	aaggctcgca	ctttnctcat	cgcngaggac	ctagttccat	ctctccncgc	120
aattctcaag	attctttgaa	caaagatgtt	tgctttcacc	ntggagtgaa	catactcgca	180
gctacttctc	caaatgatac	attttatgac	ggaggatttc	ctatgaaaatc	aggAACATCA	240
atgtcgactc	cttttgtgc	aggaattgtt	gcactcctta	agtctttgca	cccttcattgg	300
tctccggccg	ccatttagatc	tgcttattgtt	actacagctt	ggagaacaga	tccatccgag	360
aaagccgcga	aaccggctt	tgtttacat	atgggagttt	acgattatgt	tctntatttg	420
tgctccgtt	gttacacaga	ttcatccatt	actagactt	tccgcaagaa	gacggtttgt	480
gaaaacccta	aacccgtt	tcttgacctc	aaattgcctt	caatcacaat	cccaaaccctt	540
gcaaaannga	agttattatc	actagaaccg	ttaccaacgt	tggaccagta	g	

(2) INFORMATION FOR SEQ ID NO:1195:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 196 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..196
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597262

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1195:

Met	Ser	Thr	Arg	Ser	Pro	Leu	Ala	Arg	Ile	Gln	Pro	Thr	Arg	Thr	Leu
1						5			10			15			
Val	Gly	Leu	Pro	Xaa	Gly	Tyr	Lys	Gly	Arg	Asp	Phe	Xaa	His	Arg	Xaa
						20			25			30			
Gly	Pro	Ser	Ser	Ile	Ser	Pro	Xaa	Asn	Ser	Gln	Asp	Ser	Leu	Asn	Lys
						35			40			45			
Asp	Val	Cys	Phe	His	Xaa	Gly	Val	Asn	Ile	Leu	Ala	Ala	Thr	Ser	Pro
						50			55			60			
Asn	Asp	Thr	Phe	Tyr	Asp	Gly	Gly	Phe	Pro	Met	Lys	Ser	Gly	Thr	Ser
						65			70			75			80
Met	Ser	Thr	Pro	Phe	Val	Ala	Gly	Ile	Val	Ala	Leu	Leu	Lys	Ser	Leu
						85				90			95		
His	Pro	His	Trp	Ser	Pro	Ala	Ala	Ile	Arg	Ser	Ala	Ile	Val	Thr	Thr

(3) INFORMATION FOR SEQ ID NO:1196:

INFORMATION FOR SEQ ID: 101100

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 122 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:

(A) NAME/KEY: peptide
(B) LOCATION: 1..122
(D) OTHER INFORMATION: / Ceres Seq. ID 1597264

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1196:
Met Lys Ser Gly Thr Ser Met Ser Thr Pro Phe Val Ala Gly Ile Val
1 5 10 15
Ala Leu Leu Lys Ser Leu His Pro His Trp Ser Pro Ala Ala Ile Arg
20 25 30
Ser Ala Ile Val Thr Thr Ala Trp Arg Thr Asp Pro Ser Glu Lys Ala
35 40 45
Ala Lys Pro Gly Leu Val Tyr Asp Met Gly Val Asn Asp Tyr Val Xaa
50 55 60
Tyr Leu Cys Ser Val Gly Tyr Thr Asp Ser Ser Ile Thr Arg Leu Val
65 70 75 80
Arg Lys Lys Thr Val Cys Ala Asn Pro Lys Pro Ser Val Leu Asp Leu
85 90 95
Lys Leu Pro Ser Ile Thr Ile Pro Asn Leu Ala Lys Xaa Lys Leu Leu
100 105 110

(2) INFORMATION FOR SEQ ID NO:1197:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 714 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..714
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597281

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1197:

tctgtctgtc	tcgtcaactca	ggatcagatc	ttagctaaat	tgagacaaagc	tcaaaaatgag	60
taagcttcag	agtggaggccg	ttcgtgaagc	catcaactact	atcacaggga	aatccgaggc	120
aaagaaaacgt	aactttgtcg	agactattga	gctccagatc	ggtctgaaga	actatgaccc	180
tcaaaaaggac	aagcgtttca	gtggatctgt	caagttacca	catatcccc	gtcctaaaaat	240
gaagatctgc	atgctcgagg	atgcccagca	tgttgaagag	gaaaattccc	aactcttgtg	300
agccaccagg	aatccttgg	gtcaaagggt	aatgaaacaa	aggcaacagt	gaagttccag	360
ctgaagaagg	ttctgtgcat	gggagttgca	gttggtaacc	tttcaatgg	agagaagcag	420
atctttcaqa	atgtqcagat	gagcgtcaac	ttcctcgct	cgctattgaa	gaagaactgg	480

caaaatgtca ggtgttgta cctcaagac acaatggac caccacaaag aatttctga 540
gcttcacct actaaaatt ggtggctata agacacttct tcttaccctt tcgttttgt 600
ttcagacata tctgttaaac agtgtaaagag ttgtgctgct actctccctt ttagctttg 660
gtttggataa ttgaaataa ctgcagtat tttggtaat ggattttgta gctt

(2) INFORMATION FOR SEQ ID NO:1198:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 81 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..81
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597282

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1198:

Met Ser Lys Leu Gln Ser Glu Ala Val Arg Glu Ala Ile Thr Thr Ile
1 5 10 15
Thr Gly Lys Ser Glu Ala Lys Lys Arg Asn Phe Val Glu Thr Ile Glu
20 25 30
Leu Gln Ile Gly Leu Lys Asn Tyr Asp Pro Gln Lys Asp Lys Arg Phe
35 40 45
Ser Gly Ser Val Lys Leu Pro His Ile Pro Arg Pro Lys Met Lys Ile
50 55 60
Cys Met Leu Gly Asp Ala Gln His Val Glu Glu Asn Ser Gln Leu
65 70 75 80
Leu

(2) INFORMATION FOR SEQ ID NO:1199:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 53 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..53
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597283

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1199:

Met Gly Val Ala Val Gly Asn Leu Ser Met Glu Glu Lys Gln Ile Phe
1 5 10 15
Gln Asn Val Gln Met Ser Val Asn Phe Leu Val Ser Leu Leu Lys Lys
20 25 30
Asn Trp Gln Asn Val Arg Cys Leu Tyr Leu Lys Ser Thr Met Gly Pro
35 40 45
Pro Gln Arg Ile Phe
50

(2) INFORMATION FOR SEQ ID NO:1200:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 44 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..44
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597284

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1200:

Met Glu Glu Lys Gln Ile Phe Gln Asn Val Gln Met Ser Val Asn Phe

1	5	10	15												
Leu	Val	Ser	Leu	Leu	Lys	Lys	Asn	Trp	Gln	Asn	Val	Arg	Cys	Leu	Tyr
			20			25					30				
Leu	Lys	Ser	Thr	Met	Gly	Pro	Pro	Gln	Arg	Ile	Phe				
			35			40									

(2) INFORMATION FOR SEQ ID NO:1201:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 821 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..821
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597285

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1201:

attgagtcctt	tagggctctc	ctgtgtttgc	aaatctgacg	ccgaggatattt	tgctaaagca	60
gcagccagtc	gggacagtga	aatggcgact	gaagatgtgc	aagatcccag	aatcgctaag	120
attgccttctt	ccatttagagt	catccccgac	tcccttaaac	caggaatcat	gtttcaggac	180
ataacgcacgc	ttcttctcga	cactgaggcc	ttaaggata	ctattgtctt	gtttgttgat	240
agatacaaaag	ataaaaggcat	atctgttggt	gcaggtgttg	aagctagagg	tttcattttt	300
gcccttccta	ttgcgttggc	tatttgtgcc	aaattttgttc	ccatgaggac	gcccaagaag	360
ctacctggaa	aggttatttc	ggaggagat	tcgttggagt	atggaccaga	tacgattgag	420
atgcacgtag	gtgcagtaga	gcctggtgag	cgtgctatta	ttattgtatgn	cctcattgcc	480
acgggtggaa	ctctcgctgc	tgcaatccga	ctacttgaac	gagtaggagt	gnagattgtt	540
aatgtgctt	gcgtaattga	gttaccagag	cttaaggggaa	aggagaaaact	aggagagacg	600
tcgctatttg	ttcttgtaaa	gtcggctgct	taacaagaaa	ctggaaagtga	agtttattgg	660
atcgagtgtt	gatgttattt	ttcatgtatg	gtgagacatt	ttgcgtggga	tttgatcctt	720
ttgtnttcaa	cttttatcat	anttggttca	gnctagaaaa	tggcatttga	atgtcaggat	780
tcgattgcag	tttccatttgc	ttccactaa	aatcccgat	t		

(2) INFORMATION FOR SEQ ID NO:1202:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 210 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..210
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597286

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1202:

Ile	Glu	Ser	Leu	Gly	Ser	Leu	Cys	Val	Cys	Lys	Ser	Asp	Ala	Glu	Tyr
1			5			10			15						
Phe	Ala	Lys	Ala	Ala	Ala	Ser	Arg	Asp	Ser	Glu	Met	Ala	Thr	Glu	Asp
			20			25			30						
Val	Gln	Asp	Pro	Arg	Ile	Ala	Lys	Ile	Ala	Ser	Ser	Ile	Arg	Val	Ile
			35			40			45						
Pro	Asp	Phe	Pro	Lys	Pro	Gly	Ile	Met	Phe	Gln	Asp	Ile	Thr	Thr	Leu
			50			55			60						
Leu	Leu	Asp	Thr	Glu	Ala	Phe	Lys	Asp	Thr	Ile	Ala	Leu	Phe	Val	Asp
			65			70			75			80			
Arg	Tyr	Lys	Asp	Lys	Gly	Ile	Ser	Val	Val	Ala	Gly	Val	Glu	Ala	Arg
						85			90			95			
Gly	Phe	Ile	Phe	Gly	Pro	Pro	Ile	Ala	Leu	Ala	Ile	Gly	Ala	Lys	Phe
			100			105			110						
Val	Pro	Met	Arg	Thr	Pro	Lys	Lys	Leu	Pro	Gly	Lys	Val	Ile	Ser	Glu
			115			120			125						
Glu	Tyr	Ser	Leu	Glu	Tyr	Gly	Pro	Asp	Thr	Ile	Glu	Met	His	Val	Gly
			130			135			140						

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Ala Val Glu Pro Gly Glu Arg Ala Ile Ile Ile Asp Xaa Leu Ile Ala
145 150 155 160
Thr Gly Gly Thr Leu Ala Ala Ala Ile Arg Leu Leu Glu Arg Val Gly
165 170 175
Val Xaa Ile Val Glu Cys Ala Cys Val Ile Glu Leu Pro Glu Leu Lys
180 185 190
Gly Lys Glu Lys Leu Gly Glu Thr Ser Leu Phe Val Leu Val Lys Ser
195 200 205

Ala Ala
210

(2) INFORMATION FOR SEQ ID NO:1203:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 183 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..183
(D) OTHER INFORMATION: / Ceres Seq. ID 1597287

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1203:

Met Ala Thr Glu Asp Val Gln Asp Pro Arg Ile Ala Lys Ile Ala Ser
1 5 10 15
Ser Ile Arg Val Ile Pro Asp Phe Pro Lys Pro Gly Ile Met Phe Gln
20 25 30
Asp Ile Thr Thr Leu Leu Asp Thr Glu Ala Phe Lys Asp Thr Ile
35 40 45
Ala Leu Phe Val Asp Arg Tyr Lys Asp Lys Gly Ile Ser Val Val Ala
50 55 60
Gly Val Glu Ala Arg Gly Phe Ile Phe Gly Pro Pro Ile Ala Leu Ala
65 70 75 80
Ile Gly Ala Lys Phe Val Pro Met Arg Thr Pro Lys Lys Leu Pro Gly
85 90 95
Lys Val Ile Ser Glu Glu Tyr Ser Leu Glu Tyr Gly Pro Asp Thr Ile
100 105 110
Glu Met His Val Gly Ala Val Glu Pro Gly Glu Arg Ala Ile Ile Ile
115 120 125
Asp Xaa Leu Ile Ala Thr Gly Gly Thr Leu Ala Ala Ala Ile Arg Leu
130 135 140
Leu Glu Arg Val Gly Val Xaa Ile Val Glu Cys Ala Cys Val Ile Glu
145 150 155 160
Leu Pro Glu Leu Lys Gly Lys Glu Lys Leu Gly Glu Thr Ser Leu Phe
165 170 175

Val Leu Val Lys Ser Ala Ala
180

(2) INFORMATION FOR SEQ ID NO:1204:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 154 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..154
(D) OTHER INFORMATION: / Ceres Seq. ID 1597288

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1204:

Met Phe Gln Asp Ile Thr Thr Leu Leu Asp Thr Glu Ala Phe Lys
1 5 10 15
Asp Thr Ile Ala Leu Phe Val Asp Arg Tyr Lys Asp Lys Gly Ile Ser

00000000000000000000000000000000

20	25	30
Val Val Ala Gly Val Glu Ala Arg Gly Phe Ile Phe Gly Pro Pro Ile		
35	40	45
Ala Leu Ala Ile Gly Ala Lys Phe Val Pro Met Arg Thr Pro Lys Lys		
50	55	60
Leu Pro Gly Lys Val Ile Ser Glu Glu Tyr Ser Leu Glu Tyr Gly Pro		
65	70	75
Asp Thr Ile Glu Met His Val Gly Ala Val Glu Pro Gly Glu Arg Ala		
85	90	95
Ile Ile Ile Asp Xaa Leu Ile Ala Thr Gly Gly Thr Leu Ala Ala Ala		
100	105	110
Ile Arg Leu Leu Glu Arg Val Gly Val Xaa Ile Val Glu Cys Ala Cys		
115	120	125
Val Ile Glu Leu Pro Glu Leu Lys Gly Lys Glu Lys Leu Gly Glu Thr		
130	135	140
Ser Leu Phe Val Leu Val Lys Ser Ala Ala		
145	150	

(2) INFORMATION FOR SEQ ID NO:1205:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 365 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..365
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597313

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1205:

taagcttcag	agtgaggccg	ttcgtgaagc	catcactact	atcacaggg	aatccgaggc	60
aaagaaaacgt	aactttgtcg	agactattga	gctccagatc	ggtctgaaga	actatgacc	120
tcaaaaaggac	aagcgtttca	gtggatctgt	caagttacca	catatcccc	gtcctaaaaat	180
gaagatctgc	atgctcggag	atgcccagca	tgttgaagag	aacatggatg	ttgagtctct	240
aaaaaaagctt	aacaagaaca	agaaaactcgt	caagaagctt	gcaaagaaat	accatgcttt	300
cttggcctct	gagtcgtca	ttaagcagat	tcctcgctt	cttggcctg	gtcttaacaa	360
ggcag						

(2) INFORMATION FOR SEQ ID NO:1206:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 121 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..121
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597314

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1206:

Lys	Leu	Gln	Ser	Glu	Ala	Val	Arg	Glu	Ala	Ile	Thr	Thr	Ile	Thr	Gly
1						5				10				15	
Lys	Ser	Glu	Ala	Lys	Lys	Arg	Asn	Phe	Val	Glu	Thr	Ile	Glu	Lys	
											20	25	30		
Ile	Gly	Leu	Lys	Asn	Tyr	Asp	Pro	Gln	Lys	Asp	Lys	Arg	Phe	Ser	Gly
								35	40		45				
Ser	Val	Lys	Leu	Pro	His	Ile	Pro	Arg	Pro	Lys	Met	Lys	Ile	Cys	Met
									50	55	60				
Leu	Gly	Asp	Ala	Gln	His	Val	Glu	Glu	Asn	Met	Asp	Val	Glu	Ser	Leu
								65	70	75		80			
Lys	Lys	Leu	Asn	Lys	Asn	Lys	Leu	Val	Lys	Lys	Leu	Ala	Lys	Lys	
								85	90		95				
Tyr	His	Ala	Phe	Leu	Ala	Ser	Glu	Ser	Val	Ile	Lys	Gln	Ile	Pro	Arg

100 105 110

Leu Leu Gly Pro Gly Leu Asn Lys Ala
115 120

(2) INFORMATION FOR SEQ ID NO:1207:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 62 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide
(B) LOCATION: 1..62
(D) OTHER INFORMATION: / Ceres Seq. ID 1597315

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1207:

Met Lys Ile Cys Met Leu Gly Asp Ala Gln His Val Glu Glu Asn Met
1 5 10 15

Asp Val Glu Ser Leu Lys Lys Leu Asn Lys Asn Lys Lys Leu Val Lys
20 25 30

Lys Leu Ala Lys Lys Tyr His Ala Phe Leu Ala Ser Glu Ser Val Ile
35 40 45

Lys Gln Ile Pro Arg Leu Leu Gly Pro Gly Leu Asn Lys Ala
50 55 60

(2) INFORMATION FOR SEQ ID NO:1208:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1036 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

(A) NAME/KEY: -
(B) LOCATION: 1..1036
(D) OTHER INFORMATION: / Ceres Seq. ID 1597316

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1208:

acaatggatg agttataagg tttggtaaga cttgaaaaagt cattgatcac ggctttgtc	60
cattattccg tgtttaaagt aatttacatt ctcttttaag atctctcagt ccaaagacaa	120
tgcaaaacaat aataatttct ccacttgtt ctcatcgct ctgtcttgct cgtgtgttc	180
cttgcacccg tcttctcaac aaccacccacc gtgctctcc ttcatccgc ctctcaaacc	240
accgttcaac cacccactc cgccctcttct cctccgcccgc agccagtcgg gacagtgaaa	300
tggcgactga agatgtgcaa gatcccagaa tcgctaagat tgcctttcc attagagtca	360
tccccgactt ccctaaacca ggaatcatgt ttccaggacat aacgacgcctt cttctcgaca	420
ctgaggcctt taaggatact attgctttgt ttgttgatag atacaagat aaaggcatat	480
ctgttgttgc aggttgtgaa gctagagggt tcattttgg ccctccatt gcgttggcta	540
ttggtgccaa atttgttccc atgaggacgc ccaagaagct acctggaaag gttatttcgg	600
aggagttttc gttggagttt ggaccagata cgatttagat gcacgttaggt gcagtagagc	660
ctggtgagccg tgcttattt attgatgncc tcattgccac gggtgggact ctcgctgtc	720
caatccgact acttgaacga gtaggagtg agattgtga atgtgttgc gtaatttgat	780
taccagagct taagggaaag gagaaactag gagagacgtc gctattttt cttgtaaagt	840
cggctgctta acaagaaactt ggaagtgaag ttattggat cgagtgttga tgctatttt	900
catgtatgtt gagacatttt gcgtgggatt tgatccttgc tgnttcaact ttatcatan	960
ttggttcagn ctagaaaatg gcatttgaat gtcaggattc gattgcagtt tcctattttt	1020
ccacttaaaa tccccg	

(2) INFORMATION FOR SEQ ID NO:1209:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 243 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide
(B) LOCATION: 1..243
(D) OTHER INFORMATION: / Ceres Seq. ID 1597317

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1209:

Met Gln Thr Ile Ile Ser Pro Leu Val Ser His Arg Leu Cys Leu
1 5 10 15
Ala Arg Ala Val Pro Cys Asn Arg Leu Leu Asn Asn His His Arg Ala
20 25 30
Pro Pro Ser Ile Arg Leu Ser Asn His Arg Ser Thr Thr Ser Leu Arg
35 40 45
Leu Phe Ser Ser Ala Ala Ala Ser Arg Asp Ser Glu Met Ala Thr Glu
50 55 60
Asp Val Gln Asp Pro Arg Ile Ala Lys Ile Ala Ser Ser Ile Arg Val
65 70 75 80
Ile Pro Asp Phe Pro Lys Pro Gly Ile Met Phe Gln Asp Ile Thr Thr
85 90 95
Leu Leu Leu Asp Thr Glu Ala Phe Lys Asp Thr Ile Ala Leu Phe Val
100 105 110
Asp Arg Tyr Lys Asp Lys Gly Ile Ser Val Val Ala Gly Val Glu Ala
115 120 125
Arg Gly Phe Ile Phe Gly Pro Pro Ile Ala Leu Ala Ile Gly Ala Lys
130 135 140
Phe Val Pro Met Arg Thr Pro Lys Lys Leu Pro Gly Lys Val Ile Ser
145 150 155 160
Glu Glu Tyr Ser Leu Glu Tyr Gly Pro Asp Thr Ile Glu Met His Val
165 170 175
Gly Ala Val Glu Pro Gly Glu Arg Ala Ile Ile Asp Xaa Leu Ile
180 185 190
Ala Thr Gly Gly Thr Leu Ala Ala Ile Arg Leu Leu Glu Arg Val
195 200 205
Gly Val Xaa Ile Val Glu Cys Ala Cys Val Ile Glu Leu Pro Glu Leu
210 215 220
Lys Gly Lys Glu Lys Leu Gly Glu Thr Ser Leu Phe Val Leu Val Lys
225 230 235 240
Ser Ala Ala

(2) INFORMATION FOR SEQ ID NO:1210:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 183 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:

(A) NAME/KEY: peptide
(B) LOCATION: 1..183
(D) OTHER INFORMATION: / Ceres Seq. ID 1597318

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1210:

Met Ala Thr Glu Asp Val Gln Asp Pro Arg Ile Ala Lys Ile Ala Ser
1 5 10 15
Ser Ile Arg Val Ile Pro Asp Phe Pro Lys Pro Gly Ile Met Phe Gln
20 25 30
Asp Ile Thr Thr Leu Leu Asp Thr Glu Ala Phe Lys Asp Thr Ile
35 40 45
Ala Leu Phe Val Asp Arg Tyr Lys Asp Lys Gly Ile Ser Val Val Ala
50 55 60
Gly Val Glu Ala Arg Gly Phe Ile Phe Gly Pro Pro Ile Ala Leu Ala
65 70 75 80
Ile Gly Ala Lys Phe Val Pro Met Arg Thr Pro Lys Lys Leu Pro Gly
85 90 95
Lys Val Ile Ser Glu Glu Tyr Ser Leu Glu Tyr Gly Pro Asp Thr Ile

	100	105	110												
Glu	Met	His	Val	Gly	Ala	Val	Glu	Pro	Gly	Glu	Arg	Ala	Ile	Ile	Ile
			115				120					125			
Asp	Xaa	Leu	Ile	Ala	Thr	Gly	Gly	Thr	Leu	Ala	Ala	Ile	Arg	Leu	
			130				135				140				
Leu	Glu	Arg	Val	Gly	Val	Xaa	Ile	Val	Glu	Cys	Ala	Cys	Val	Ile	Glu
			145				150			155			160		
Leu	Pro	Glu	Leu	Lys	Gly	Lys	Glu	Lys	Leu	Gly	Glu	Thr	Ser	Leu	Phe
			165				170					175			
Val	Leu	Val	Lys	Ser	Ala	Ala									
			180												

(2) INFORMATION FOR SEQ ID NO:1211:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 154 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..154
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597319

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1211:

Met	Phe	Gln	Asp	Ile	Thr	Thr	Leu	Leu	Leu	Asp	Thr	Glu	Ala	Phe	Lys
							5				10			15	
1															
Asp	Thr	Ile	Ala	Leu	Phe	Val	Asp	Arg	Tyr	Lys	Asp	Lys	Gly	Ile	Ser
														20	
														25	
Val	Val	Ala	Gly	Val	Glu	Ala	Arg	Gly	Phe	Ile	Phe	Gly	Pro	Pro	Ile
														35	
Ala	Leu	Ala	Ile	Gly	Ala	Lys	Phe	Val	Pro	Met	Arg	Thr	Pro	Lys	Lys
														50	
Leu	Pro	Gly	Lys	Val	Ile	Ser	Glu	Glu	Tyr	Ser	Leu	Glu	Tyr	Gly	Pro
														65	
														70	
Asp	Thr	Ile	Glu	Met	His	Val	Gly	Ala	Val	Glu	Pro	Gly	Glu	Arg	Ala
														85	
														90	
Ile	Ile	Ile	Asp	Xaa	Leu	Ile	Ala	Thr	Gly	Gly	Thr	Leu	Ala	Ala	Ala
														100	
														105	
Ile	Arg	Leu	Leu	Glu	Arg	Val	Gly	Val	Xaa	Ile	Val	Glu	Cys	Ala	Cys
														115	
Val	Ile	Glu	Leu	Pro	Glu	Leu	Lys	Gly	Lys	Glu	Lys	Leu	Gly	Glu	Thr
														130	
Ser	Leu	Phe	Val	Leu	Val	Lys	Ser	Ala	Ala						
														145	
														150	

(2) INFORMATION FOR SEQ ID NO:1212:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1097 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..1097
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597344

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1212:

cacaatttga	tacgcgtcag	tttgaccaga	ggctgaatga	agttctcgat	ggacaggatg		60
agttcttcac	ctcatatgt	gaggtccatg	agagctttga	tgccatgggt	ttgcaagaga		120
atcttcttag	gggttatctat	gtttacgggt	tcgaaaagcc	ttctgctatt	cagcaaagag		180
gaatttgtacc	cttttgcaag	ggtcttgatg	tgatccagca	ggcacagtct	gttactggaa		240
aaaccgcac	tttctgtct	ggtgtcttgc	agcagcttga	ctatgccctt	ctccagtgcc		300
aggctctcgt	tttggctccc	accagagagc	ttgctcagca	gattgagaag	gtcatgcgtg		360

Docket No. 750-1237P

cccttggta	ctaccaagg	gtcaagg	ttc	atgc	cgtgt	tgg	ttggaa	acc	agtgtccg	tn	420
aggatcagcg	cattctccag	gctgg	tttc	atgtt	gtcg	tgg	aact	cct	gtcgt	gtt	480
ttgacatgct	tagaagaca	tctctcc	cc	ctgact	gcat	caagat	gtt	gtc	tttgat	540	
aagctgatga	aatgctctcc	cgtgg	ttca	aggatc	agct	catgg	agaca	tgg	acc	aaa	600
caccagagac	atcatcatga	gagag	ttcag	gtc	ntgg	ct	tcgt	tt	taat	cacaa	660
ccgatctctt	ggctcg	ttgt	atcgat	gtgc	aga	caag	gtc	tata	aan	tttgac	720
ctcccaactc	agccagagaa	ttac	cttac	cgtat	cgaa	gaag	tgg	aa	gtt	cggaga	780
aagggtgtgg	cgattaactt	tgt	gancn	nt	tgangat	caag	atg	ctgt	ttgat	attca	840
gaaantctnc	aatgtnggtt	gttgagn	agc	ttccc	ncaaa	cgtgg	ctgtat	ttng	ctgt	gat	900
agaagaagaa	gaagaagaan	gaagaa	aggt	tng	ttgtt	cgcnn	ntt	tttat	tngat	960	
tttgacccg	tctnnnnntc	tct	gaatcat	cgata	catct	tttt	catt	tct	ctag	tattct	1020
tcatcaactc	tatcgaacat	atata	tgct	tttgc	acca	tattt	ttt	ttt	ttatcaa	atg	1080
caatattat	ttcttct										

(2) INFORMATION FOR SEQ ID NO:1213:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 205 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..205
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597345

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1213:

Gln	Phe	Asp	Thr	Arg	Gln	Phe	Asp	Gln	Arg	Leu	Asn	Glu	Val	Leu	Asp
1					5				10					15	
Gly	Gln	Asp	Glu	Phe	Phe	Thr	Ser	Tyr	Asp	Glu	Val	His	Glu	Ser	Phe
					20				25					30	
Asp	Ala	Met	Gly	Leu	Gln	Glu	Asn	Leu	Leu	Arg	Gly	Ile	Tyr	Ala	Tyr
					35				40					45	
Gly	Phe	Glu	Lys	Pro	Ser	Ala	Ile	Gln	Gln	Arg	Gly	Ile	Val	Pro	Phe
					50				55					60	
Cys	Lys	Gly	Leu	Asp	Val	Ile	Gln	Gln	Ala	Gln	Ser	Gly	Thr	Gly	Lys
					65				70					75	
Thr	Ala	Thr	Phe	Cys	Ser	Gly	Val	Leu	Gln	Gln	Leu	Asp	Tyr	Ala	Leu
					85				90					95	
Leu	Gln	Cys	Gln	Ala	Leu	Val	Leu	Ala	Pro	Thr	Arg	Glu	Leu	Ala	Gln
					100				105					110	
Gln	Ile	Glu	Lys	Val	Met	Arg	Ala	Leu	Gly	Asp	Tyr	Gln	Gly	Val	Lys
					115				120					125	
Val	His	Ala	Cys	Val	Gly	Gly	Thr	Ser	Val	Arg	Xaa	Asp	Gln	Arg	Ile
					130				135					140	
Leu	Gln	Ala	Gly	Val	His	Val	Val	Val	Gly	Thr	Pro	Gly	Arg	Val	Phe
					145				150					155	
Asp	Met	Leu	Arg	Arg	Gln	Ser	Leu	Arg	Pro	Asp	Cys	Ile	Lys	Met	Phe
					165				170					175	
Val	Leu	Asp	Glu	Ala	Asp	Glu	Met	Leu	Ser	Arg	Gly	Phe	Lys	Asp	Gln
					180				185					190	
Leu	Met	Glu	Thr	Trp	Thr	Lys	Thr	Pro	Glu	Thr	Ser	Ser			
					195				200					205	

(2) INFORMATION FOR SEQ ID NO:1214:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 171 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..171

(D) OTHER INFORMATION: / Ceres Seq. ID 1597346

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1214:

Met Gly Leu Gln Glu Asn Leu Leu Arg Gly Ile Tyr Ala Tyr Gly Phe
1 5 10 15
Glu Lys Pro Ser Ala Ile Gln Gln Arg Gly Ile Val Pro Phe Cys Lys
20 25 30
Gly Leu Asp Val Ile Gln Gln Ala Gln Ser Gly Thr Gly Lys Thr Ala
35 40 45
Thr Phe Cys Ser Gly Val Leu Gln Gln Leu Asp Tyr Ala Leu Leu Gln
50 55 60
Cys Gln Ala Leu Val Leu Ala Pro Thr Arg Glu Leu Ala Gln Gln Ile
65 70 75 80
Glu Lys Val Met Arg Ala Leu Gly Asp Tyr Gln Gly Val Lys Val His
85 90 95
Ala Cys Val Gly Gly Thr Ser Val Arg Xaa Asp Gln Arg Ile Leu Gln
100 105 110
Ala Gly Val His Val Val Gly Thr Pro Gly Arg Val Phe Asp Met
115 120 125
Leu Arg Arg Gln Ser Leu Arg Pro Asp Cys Ile Lys Met Phe Val Leu
130 135 140
Asp Glu Ala Asp Glu Met Leu Ser Arg Gly Phe Lys Asp Gln Leu Met
145 150 155 160
Glu Thr Trp Thr Lys Thr Pro Glu Thr Ser Ser
165 170

(2) INFORMATION FOR SEQ ID NO:1215:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 123 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..123
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597347

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1215:

Met Pro Phe Ser Ser Ala Arg Leu Ser Phe Trp Leu Pro Pro Glu Ser
1 5 10 15
Leu Leu Ser Arg Leu Arg Arg Ser Cys Val Pro Leu Val Thr Thr Lys
20 25 30
Val Ser Arg Phe Met Pro Val Leu Val Glu Pro Val Ser Xaa Arg Ile
35 40 45
Ser Ala Phe Ser Arg Leu Val Phe Met Leu Ser Leu Glu Leu Leu Val
50 55 60
Val Phe Leu Thr Cys Leu Glu Asp Asn Leu Ser Ala Leu Thr Ala Ser
65 70 75 80
Arg Cys Leu Ser Leu Met Lys Leu Met Lys Cys Ser Pro Val Val Ser
85 90 95
Arg Ile Ser Ser Trp Arg His Gly Pro Lys His Gln Arg His His His
100 105 110
Glu Arg Val Gln Val Xaa Ala Arg Leu Val Phe
115 120

(2) INFORMATION FOR SEQ ID NO:1216:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 1156 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: -

(B) LOCATION: 1..1156

(D) OTHER INFORMATION: / Ceres Seq. ID 1597360

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1216:

(X1) SEQUENCE DESCRIPTOR	60				
tgtcgccgc	gaagaaggaa	cggtaagtc	ttaatagaa	aaaaaggag	tgtcaaaagg
agtgcatac	aaaaataaag	caggcgaaga	aacaacagcc	ttggcacctc	tcactgttagt
atgcacggt	tgtactcaa	accttcgtcg	gtctctaaac	gataacaatg	ctgaggttct
gtcttaccaa	gttgcttaca	tctcgaaagaa	ttgtcggtt	gatgatccc	aaaacccca
tttgataatg	tccaaaccct	cctacatcat	gttgtaccaa	ttaagcagca	ctgatgttgc
tttgtgtttt	gaactttct	ccgccaattt	tccttcatt	gaaaagggtg	aatggctac
tttgcgaag	aacactctag	ctcctcaggt	acctccaaaa	cttcgcaaaa	tattcttgaa
aggcttagat	gaaggagcac	acataaaaagc	ggtgccagca	aagcgcatga	cagttcttt
aaccaagaaa	aatggagtga	ttgtgttgg	agatgcattc	aacatgcgtc	atcnntcggt
cgcggctggt	atgatggttt	tattgtctga	cattctcatt	ctacgtcg	ttctccagcc
actaagaac	cttggtgatg	caaacaaga	ctcagaagtc	attaagtct	ttaatattat
ccgcaagcca	atgtcagcga	cggtaacac	attaggaat	gcatttttc	aagttcta
tgcataact	gacgaagcaa	aagaggcaat	gagacaaggt	tgctatgatt	acctctctag
tggtgtttt	tgcacgtcg	ggatgatggc	tctacttagt	ggcatgaatc	ctcgccgt
ctctctcata	tatcatctat	gtgctatcac	tttacattca	atggccatc	ttctatctcc
atttccttcc	cccccttagca	tttggcatag	cctcaggctt	tttgggttgg	ctttgaaaat
gttggttccc	catctcaagg	ctgagggagt	tagcgaatg	tttttccag	caaacgcagc
cgcataatcgc	aaaagctata	tggccgcac	tggtctttaa	acattgatgc	tctaaacagc
aacatacgt	agtttgtaaa	ctcggtgaaa	tgttattgta	atgcttagct	tacataaat

tacttaatga gtttct

INFORMATION FOR SEQ ID NO:1217

SEQUENCE CHARACTERISTICS:

(A) LENGTH: 352 am

(B) TYPE: amino acid

(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(D) TOP

MOLECULE TYPE: peptide
FEATURE:

FEATURE:

(A) NAME/KEY: *pepcid*
 (B) LOCATION: 1..352
 (D) OTHER INFORMATION: / Ceres Seq. ID 1597361
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1217:
 Arg Leu Glu Glu Gly Thr Val Lys Ser Leu Ile Glu Glu Lys Gly
 5 10 15
 Ile Lys Gly Val Thr Tyr Lys Asn Lys Ala Gly Glu Thr Thr
 20 25 30
 Leu Ala Pro Leu Thr Val Val Cys Asp Gly Cys Tyr Ser Asn Leu
 35 40 45
 Arg Ser Leu Asn Asp Asn Asn Ala Glu Val Leu Ser Tyr Gln Val
 50 55 60
 Tyr Ile Ser Lys Asn Cys Arg Leu Asp Asp Pro Lys Asn Leu His
 70 75 80
 Ile Met Ser Lys Pro Ser Tyr Ile Met Leu Tyr Gln Leu Ser Ser
 85 90 95
 Asp Val Arg Cys Gly Phe Glu Leu Phe Ser Ala Asn Phe Pro Ser
 100 105 110
 Ala Lys Gly Glu Met Ala Thr Phe Ala Lys Asn Thr Leu Ala Pro
 115 120 125
 Val Pro Pro Lys Leu Arg Lys Ile Phe Leu Lys Gly Leu Asp Glu
 130 135 140
 Ala His Ile Lys Ala Val Pro Ala Lys Arg Met Thr Ala Ser Leu
 150 155 160
 Lys Lys Asn Gly Val Ile Val Leu Gly Asp Ala Phe Asn Met Arg
 165 170 175
 Xaa Ser Val Ala Ala Gly Met Met Val Leu Leu Ser Asp Ile Leu
 180 185 190
 Leu Arg Arg Leu Leu Gln Pro Leu Ser Asn Leu Gly Asp Ala Asn
 195 200 205

Lys Val Ser Glu Val Ile Lys Ser Phe Asn Ile Ile Arg Lys Pro Met
210 215 220
Ser Ala Thr Val Asn Thr Leu Gly Asn Ala Phe Ser Gln Val Leu Ile
225 230 235 240
Ala Ser Thr Asp Glu Ala Lys Glu Ala Met Arg Gln Gly Cys Tyr Asp
245 250 255
Tyr Leu Ser Ser Gly Gly Phe Cys Thr Ser Gly Met Met Ala Leu Leu
260 265 270
Gly Gly Met Asn Pro Arg Pro Leu Ser Leu Ile Tyr His Leu Cys Ala
275 280 285
Ile Thr Leu His Ser Ile Gly His Leu Leu Ser Pro Phe Pro Ser Pro
290 295 300
Leu Ser Ile Trp His Ser Leu Arg Leu Phe Gly Leu Ala Leu Lys Met
305 310 315 320
Leu Val Pro His Leu Lys Ala Glu Gly Val Ser Glu Met Phe Phe Pro
325 330 335
Ala Asn Ala Ala Ala Tyr Arg Lys Ser Tyr Met Ala Ala Ser Gly Leu
340 345 350

(2) INFORMATION FOR SEQ ID NO:1218:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 270 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..270
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597362

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1218:

Met Ser Lys Pro Ser Tyr Ile Met Leu Tyr Gln Leu Ser Ser Thr Asp
1 5 10 15
Val Arg Cys Gly Phe Glu Leu Phe Ser Ala Asn Phe Pro Ser Ile Ala
20 25 30
Lys Gly Glu Met Ala Thr Phe Ala Lys Asn Thr Leu Ala Pro Gln Val
35 40 45
Pro Pro Lys Leu Arg Lys Ile Phe Leu Lys Gly Leu Asp Glu Gly Ala
50 55 60
His Ile Lys Ala Val Pro Ala Lys Arg Met Thr Ala Ser Leu Thr Lys
65 70 75 80
Lys Asn Gly Val Ile Val Leu Gly Asp Ala Phe Asn Met Arg His Xaa
85 90 95
Ser Val Ala Ala Gly Met Met Val Leu Ser Asp Ile Leu Ile Leu
100 105 110
Arg Arg Leu Leu Gln Pro Leu Ser Asn Leu Gly Asp Ala Asn Lys Val
115 120 125
Ser Glu Val Ile Lys Ser Phe Asn Ile Ile Arg Lys Pro Met Ser Ala
130 135 140
Thr Val Asn Thr Leu Gly Asn Ala Phe Ser Gln Val Leu Ile Ala Ser
145 150 155 160
Thr Asp Glu Ala Lys Glu Ala Met Arg Gln Gly Cys Tyr Asp Tyr Leu
165 170 175
Ser Ser Gly Gly Phe Cys Thr Ser Gly Met Met Ala Leu Leu Gly Gly
180 185 190
Met Asn Pro Arg Pro Leu Ser Leu Ile Tyr His Leu Cys Ala Ile Thr
195 200 205
Leu His Ser Ile Gly His Leu Leu Ser Pro Phe Pro Ser Pro Leu Ser
210 215 220
Ile Trp His Ser Leu Arg Leu Phe Gly Leu Ala Leu Lys Met Leu Val

225	230	235	240
Pro His Leu Lys Ala Glu Gly Val Ser	Glu Met Phe Phe Pro Ala Asn		
245	250	255	
Ala Ala Ala Tyr Arg Lys Ser Tyr Met Ala Ala Ser Gly Leu			
260	265	270	

(2) INFORMATION FOR SEQ ID NO:1219:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 263 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..263
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597363

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1219:

Met Leu Tyr Gln Leu Ser Ser Thr Asp Val Arg Cys Gly Phe Glu Leu			
1	5	10	15
Phe Ser Ala Asn Phe Pro Ser Ile Ala Lys Gly Glu Met Ala Thr Phe			
20	25	30	
Ala Lys Asn Thr Leu Ala Pro Gln Val Pro Pro Lys Leu Arg Lys Ile			
35	40	45	
Phe Leu Lys Gly Leu Asp Glu Gly Ala His Ile Lys Ala Val Pro Ala			
50	55	60	
Lys Arg Met Thr Ala Ser Leu Thr Lys Lys Asn Gly Val Ile Val Leu			
65	70	75	80
Gly Asp Ala Phe Asn Met Arg His Xaa Ser Val Ala Ala Gly Met Met			
85	90	95	
Val Leu Leu Ser Asp Ile Leu Ile Leu Arg Arg Leu Leu Gln Pro Leu			
100	105	110	
Ser Asn Leu Gly Asp Ala Asn Lys Val Ser Glu Val Ile Lys Ser Phe			
115	120	125	
Asn Ile Ile Arg Lys Pro Met Ser Ala Thr Val Asn Thr Leu Gly Asn			
130	135	140	
Ala Phe Ser Gln Val Leu Ile Ala Ser Thr Asp Glu Ala Lys Glu Ala			
145	150	155	160
Met Arg Gln Gly Cys Tyr Asp Tyr Leu Ser Ser Gly Gly Phe Cys Thr			
165	170	175	
Ser Gly Met Met Ala Leu Leu Gly Gly Met Asn Pro Arg Pro Leu Ser			
180	185	190	
Leu Ile Tyr His Leu Cys Ala Ile Thr Leu His Ser Ile Gly His Leu			
195	200	205	
Leu Ser Pro Phe Pro Ser Pro Leu Ser Ile Trp His Ser Leu Arg Leu			
210	215	220	
Phe Gly Leu Ala Leu Lys Met Leu Val Pro His Leu Lys Ala Glu Gly			
225	230	235	240
Val Ser Glu Met Phe Phe Pro Ala Asn Ala Ala Ala Tyr Arg Lys Ser			
245	250	255	
Tyr Met Ala Ala Ser Gly Leu			
260			

(2) INFORMATION FOR SEQ ID NO:1220:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 504 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..504

(D) OTHER INFORMATION: / Ceres Seq. ID 1597376

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1220:

aatcacggcg gcggccgcgg aagagtagca gcagcaggcg gcccggagta gctgtctcccc	60
acctcgagct tgccaccatg gcttagaggat tgaagaagca tttgaagagg ctcataatgcgc	120
ccaaggcatg gatgctggac aagcttggcg gatstttgtc cccaaaccat ctcttgacc	180
tccacaagtct agggagtgcc tgccactgat cctcatcatc aggaacaggc tcaagtatgc	240
tcttacatac cgtgagtcat ttccatcctg atgcaacgcc atgtacttgt tcatggcaag	300
gtcaggacac acaagaccta ccctgctggg ttcatggatg tcatttccat ccccaagacc	360
aacgagaact acagggctgt gtatgacact aaggggccgtc tccgccttca cccaatcagg	420
gatgaggatg ctaagttcaa gctttgcaag gtttaggtctg ttcagttgg gcagaaggc	480
atcccgtaacc tgaacacgtt tgac	

(2) INFORMATION FOR SEQ ID NO:1221:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 68 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..68

(D) OTHER INFORMATION: / Ceres Seq. ID 1597377

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1221:

Ser Arg Arg Arg Arg Arg Lys Ser Ser Ser Arg Arg Arg Arg Val	
1 5 10 15	
Ala Ser Pro His Leu Glu Leu Ala Thr Met Ala Arg Gly Leu Lys Lys	
20 25 30	
His Leu Lys Arg Leu Asn Ala Pro Lys His Trp Met Leu Asp Lys Leu	
35 40 45	
Gly Gly Xaa Leu Leu Pro Asn His Leu Leu Asp Leu Thr Ser Leu Gly	
50 55 60	
Ser Ala Cys His	
65	

(2) INFORMATION FOR SEQ ID NO:1222:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 78 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..78

(D) OTHER INFORMATION: / Ceres Seq. ID 1597378

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1222:

Met Gln Arg His Val Leu Val Asp Gly Lys Val Arg Thr Asp Lys Thr	
1 5 10 15	
Tyr Pro Ala Gly Phe Met Asp Val Ile Ser Ile Pro Lys Thr Asn Glu	
20 25 30	
Asn Tyr Arg Leu Leu Tyr Asp Thr Lys Gly Arg Phe Arg Leu His Pro	
35 40 45	
Ile Arg Asp Glu Asp Ala Lys Phe Lys Leu Cys Lys Val Arg Ser Val	
50 55 60	
Gln Phe Gly Gln Lys Gly Ile Pro Tyr Leu Asn Thr Tyr Asp	
65 70 75	

(2) INFORMATION FOR SEQ ID NO:1223:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 70 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..70

(D) OTHER INFORMATION: / Ceres Seq. ID 1597379

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1223:

Met Tyr Leu Leu Met Ala Arg Ser Gly Gln Thr Arg Pro Thr Leu Leu
1 5 10 15
Gly Ser Trp Met Ser Phe Pro Ser Pro Arg Pro Thr Arg Thr Thr Gly
20 25 30
Cys Cys Met Thr Leu Arg Ala Ala Ser Ala Phe Thr Gln Ser Gly Met
35 40 45
Arg Met Leu Ser Ser Ser Phe Ala Arg Leu Gly Leu Phe Ser Leu Gly
50 55 60

Arg Arg Ala Ser Arg Thr

65 70

(2) INFORMATION FOR SEQ ID NO:1224:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 466 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

(A) NAME/KEY: -

(B) LOCATION: 1..466

(D) OTHER INFORMATION: / Ceres Seq. ID 1597392

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1224:

aataggcctcc gcctctccctt ccagtgtccg ccgtcggtcg ctcgcataccc ctctccctcg 60
aggccctttgc cggcgaagag cggccagtcg cccaccagga tgaagtttg tgcgcctac 120
ctgcttgctg tcctcgctgg gaactccagc ccctctgccg aggacttgac agccattctg 180
gagtcaaggatg gctgtgaagt tgacaatggaa aagatggAAC tccttctgtc ccaactgagc 240
ggttaaggaca ttaccgagct cattgctgtc ggccaggggaga agtttgcgtc agtccccatgt 300
ggccgggtggc ggtgtggctg ttgtggcagc tgccctgtc gctggggcg ctcctgcagc 360
tgaggcgaag aaagaagaga aggtggagga gaaggaagaa agtgatgacg acatgggctt 420
cagcctcttc gactaaggct gtgcatagtc aagagtattt tttttg

(2) INFORMATION FOR SEQ ID NO:1225:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 120 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..120

(D) OTHER INFORMATION: / Ceres Seq. ID 1597393

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1225:

Asn Ser Leu Arg Leu Ser Phe Gln Cys Pro Pro Ser Cys Ala Arg Tyr
1 5 10 15
Pro Ser Pro Ser Arg Pro Leu Pro Ala Lys Ser Ala Gln Ser Pro Thr
20 25 30
Arg Met Lys Phe Val Ala Ala Tyr Leu Leu Ala Val Leu Ala Gly Asn
35 40 45
Ser Ser Pro Ser Ala Glu Asp Leu Thr Ala Ile Leu Glu Ser Val Gly
50 55 60
Cys Glu Val Asp Asn Glu Lys Met Glu Leu Leu Ser Gln Leu Ser
65 70 75 80
Gly Lys Asp Ile Thr Glu Leu Ile Ala Ala Gly Arg Glu Lys Phe Ala
85 90 95
Ser Val Pro Cys Gly Gly Arg Cys Gly Cys Cys Gly Ser Cys Pro

100 105 110

Cys Cys Trp Arg Arg Ser Cys Ser
115 120

(2) INFORMATION FOR SEQ ID NO:1226:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 87 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..87
(D) OTHER INFORMATION: / Ceres Seq. ID 1597394
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1226:
Met Lys Phe Val Ala Ala Tyr Leu Leu Ala Val Leu Ala Gly Asn Ser
1 5 10 15
Ser Pro Ser Ala Glu Asp Leu Thr Ala Ile Leu Glu Ser Val Gly Cys
20 25 30
Glu Val Asp Asn Glu Lys Met Glu Leu Leu Ser Gln Leu Ser Gly
35 40 45
Lys Asp Ile Thr Glu Leu Ile Ala Ala Gly Arg Glu Lys Phe Ala Ser
50 55 60
Val Pro Cys Gly Gly Arg Cys Gly Cys Cys Gly Ser Cys Pro Cys
65 70 75 80
Cys Trp Arg Arg Ser Cys Ser
85

(2) INFORMATION FOR SEQ ID NO:1227:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 502 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(ix) FEATURE:
(A) NAME/KEY: -
(B) LOCATION: 1..502
(D) OTHER INFORMATION: / Ceres Seq. ID 1597396
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1227:
aatagcctcc gcctctccctt ccagtgtccg ccgtcggtgcg ctcgctaccc ctctccctcg 60
aggcctttgc cgcaagagc gcccagtcgc ccaccaggat gaagtgggtt gtcgcctatc 120
tgcttgctgt cctcgctggg aactccagcc cctctgcccga ggacttgaca tccattctgg 180
agtcatgtgg ctgtgaagtt gacaatgaaa agatggaaact cttctgtcc cagctgagcg 240
gtaaggacat taccgagctc attgccgccc gcaggggagaa gtttgcttca gtcccatgtg 300
gcgggtggcg tgtggctgtc gcggcastgc ccctgctgct ggcggcgccg ggcgtcctgc 360
agctgaggcg aagaaaagaag agaagggtgga ggagaaggaa gaaagtgtatg acgacatggg 420
cttcagctct tcgactaagt ctgtgcaata gccaagggtt ttgttttga gtcgaggaag 480
cagaggggaa gaaaaatagt ag

(2) INFORMATION FOR SEQ ID NO:1228:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 64 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..64
(D) OTHER INFORMATION: / Ceres Seq. ID 1597397
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1228:
Ile Ala Ser Ala Ser Pro Ser Ser Val Arg Arg Ala Leu Ala Thr

1	5	10	15												
Pro	Leu	Pro	Arg	Gly	Leu	Cys	Arg	Glu	Glu	Arg	Pro	Val	Ala	His	Gln
				20				25					30		
Asp	Glu	Val	Cys	Cys	Cys	Leu	Ser	Ala	Cys	Cys	Pro	Arg	Trp	Glu	Leu
						35		40				45			
Gln	Pro	Leu	Cys	Arg	Gly	Leu	Asp	Ile	His	Ser	Gly	Val	Ser	Trp	Leu
						50		55			60				

(2) INFORMATION FOR SEQ ID NO:1229:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 123 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..123
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597398

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1229:

```

Met Lys Phe Val Ala Ala Tyr Leu Leu Ala Val Leu Ala Gly Asn Ser
      5           10          15
1   Ser Pro Ser Ala Glu Asp Leu Thr Ser Ile Leu Glu Ser Val Gly Cys
      20          25          30
Glu Val Asp Asn Glu Lys Met Glu Leu Leu Ser Gln Leu Ser Gly
      35          40          45
Lys Asp Ile Thr Glu Leu Ile Ala Ala Gly Arg Glu Lys Phe Ala Ser
      50          55          60
Val Pro Cys Gly Gly Gly Val Ala Val Ala Ala Xaa Pro Leu Leu
65           70          75          80
Leu Ala Ala Ala Ala Leu Leu Gln Leu Arg Arg Arg Lys Lys Arg Arg
      85          90          95
Trp Arg Arg Arg Lys Lys Val Met Thr Thr Trp Ala Ser Ala Leu Arg
      100         105         110
Leu Ser Leu Cys Asn Ser Gln Gly Tyr Cys Phe
      105

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(2) INFORMATION FOR SEO ID NO: 1230:

INFORMATION FOR SEQ ID NO:1

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 85 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..85
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597399

(ii) SEQUENCE DESCRIPTION: SEQ ID NO:1230:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1230.
Met Glu Leu Leu Leu Ser Gln Leu Ser Gly Lys Asp Ile Thr Glu Leu
1 5 10 15
Ile Ala Ala Gly Arg Glu Lys Phe Ala Ser Val Pro Cys Gly Gly Gly
 20 25 30
Gly Val Ala Val Ala Ala Xaa Pro Leu Leu Leu Ala Ala Ala Leu
 35 40 45
Leu Gln Leu Arg Arg Arg Lys Lys Arg Arg Trp Arg Arg Arg Lys Lys
 50 55 60
Val Met Thr Thr Trp Ala Ser Ala Leu Arg Leu Ser Leu Cys Asn Ser
65 70 75 80
Gln Gly Tyr Cys Phe
 85

(2) INFORMATION FOR SEQ ID NO:1231:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 509 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..509
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597412

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1231:

cacccaagtc caagcaccdn tcccaaaaaa atccccatt ttcttcgagg cgaggagacg	60
gtgaaagaca gggcaccgnc agcgacgatg tcggggcgcg gcaaggcg ggcaagggcg	120
ggcaagggcg gasaaagcgc caccgtaagt ctccgtgaca acatccaggr gcatcaccaa	180
gcccgcgatc cgtagctggc tcggagggc ggcgtgaagc satttcggg gtttatctac	240
gaggagaccc gggcgtcct caagatctt ctcgagaacg tcatccgcga cggcgtcacc	300
tacaccgagc acgcacgccc caagactgtt accgccatgg acgtcgctca cgcgctcaag	360
cscaggccg aaccctctac ggcttcggag gctaggctgg atgcctcttc tccttgctgt	420
cgtggatgcc tgtttgtt tagggttact tcgttttagtt ccttgcgtgt gacgtgttgg	480
actattgtta gtagtattct tgaagttgt	

(2) INFORMATION FOR SEQ ID NO:1232:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 64 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..64
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597413

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1232:

His Pro Ser Pro Ser Thr Xaa Pro Lys Lys Ile Pro His Phe Leu Arg	
1 5 10 15	
Gly Glu Glu Ser Val Lys Asp Arg Ala Pro Xaa Ala Thr Met Ser Gly	
20 25 30	
Arg Gly Lys Gly Gly Lys Gly Leu Gly Lys Gly Xaa Ser Ala Thr	
35 40 45	
Val Ser Leu Arg Asp Asn Ile Gln Xaa His His Gln Ala Arg Asp Pro	
50 55 60	

(2) INFORMATION FOR SEQ ID NO:1233:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 51 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..51
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597414

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1233:

Pro Lys Ser Lys His Xaa Ser Gln Lys Asn Pro Pro Phe Ser Ser Arg	
1 5 10 15	
Arg Gly Glu Arg Glu Arg Gln Gly Thr Xaa Ser Asp Asp Val Gly Ala	
20 25 30	
Arg Gln Gly Arg Gln Arg Ser Gly Gln Gly Arg Xaa Lys Arg His Arg	
35 40 45	

Lys Ser Pro

50

(2) INFORMATION FOR SEQ ID NO:1234:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 57 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..57
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597415

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1234:

Met Asp Val Val Tyr Ala Leu Lys Xaa Arg Ala Glu Pro Ser Thr Ala
1 5 10 15
Ser Glu Ala Arg Leu Asp Ala Ser Ser Pro Cys Cys Arg Gly Cys Leu
20 25 30
Phe Val Val Arg Val Thr Ser Phe Ser Ser Leu Ser Val Thr Cys Trp
35 40 45
Thr Ile Val Ser Ser Ile Leu Glu Val
50 55

(2) INFORMATION FOR SEQ ID NO:1235:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 509 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..509
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597416

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1235:

tngctctcaa atatctctca ccacacctss sctcagcttn tcsscaccctt tggtcaggca 60
ggctcaggca aagggggcgg msaacaagga cgagsgatgg sgaccaaggt catctgcttc 120
cttgtgctcg catccctgct cctcgccgtc gccttcccg tgtctgctct gcgnacgcrg 180
ttcgaagaag ggcggcggcg gcggtgttgg cggaggcagt gttagcggaa sgcaggcgcc 240
aacacctaatc cctgggagtg ctgcggccaag tgccggtcgc ggtgctccaa gacgcagtac 300
aggaaggcct gcctcacctt atgcaacaag tgctgcgccca agtgcctctg cgtgccaccg 360
gggttctacg gcaacaaggcg cgcctgcccct gctacaacaa ctggaaaacc aaggaaggag 420
ggcccaagtg ccccttagaat aagatccacc gcagctcccg tccgcattt tcscmccttc 480
tccgaatctg ggaacgtgtt gttcatctt

(2) INFORMATION FOR SEQ ID NO:1236:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 74 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..74
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597417

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1236:

Xaa Leu Ser Asn Ile Ser His His Leu Xaa Xaa Gln Leu Xaa Xaa Thr
1 5 10 15
Phe Gly Gln Ala Gly Ser Gly Lys Gly Gly Xaa Xaa Gln Gly Arg Xaa
20 25 30
Met Xaa Thr Lys Val Ile Cys Phe Leu Val Leu Ala Ser Leu Leu Leu
35 40 45

Ala Val Ala Phe Pro Val Ser Ala Leu Xaa Gln Xaa Phe Glu Glu Gly
50 55 60

Arg Arg Arg Arg Trp Trp Arg Arg Gln Cys
65 70

(2) INFORMATION FOR SEQ ID NO:1237:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 81 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..81

(D) OTHER INFORMATION: / Ceres Seq. ID 1597418

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1237:

Xaa Ser Gln Ile Ser Leu Thr Thr Ser Xaa Leu Ser Xaa Xaa Xaa Pro
1 5 10 15
Leu Val Arg Gln Ala Gln Ala Lys Gly Ala Xaa Asn Lys Asp Glu Xaa
20 25 30
Trp Xaa Pro Arg Ser Ser Ala Ser Leu Cys Ser His Pro Cys Ser Ser
35 40 45
Pro Ser Pro Phe Pro Cys Leu Leu Cys Xaa Ser Xaa Ser Lys Lys Gly
50 55 60
Gly Gly Gly Gly Gly Ser Val Ser Gly Xaa Gln Ala Pro
65 70 75 80
Thr

(2) INFORMATION FOR SEQ ID NO:1238:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 144 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..144

(D) OTHER INFORMATION: / Ceres Seq. ID 1597419

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1238:

Ala Leu Lys Tyr Leu Ser Pro Pro Xaa Xaa Ser Ala Xaa Xaa His Leu
1 5 10 15
Trp Ser Gly Arg Leu Arg Gln Arg Gly Arg Xaa Thr Arg Thr Xaa Asp
20 25 30
Xaa Asp Gln Gly His Leu Leu Pro Cys Ala Arg Ile Pro Ala Pro Arg
35 40 45
Arg Arg Leu Ser Arg Val Cys Ser Ala Xaa Xaa Val Arg Arg Arg Ala
50 55 60
Ala Ala Ala Val Val Ala Glu Ala Val Leu Ala Glu Xaa Arg Arg Gln
65 70 75 80
Pro Glu Ser Leu Gly Val Leu Ala Gln Val Arg Val Ala Val Leu Gln
85 90 95
Asp Ala Val Gln Glu Gly Leu Pro His Leu Met Gln Gln Val Leu Arg
100 105 110
Gln Val Pro Leu Arg Ala Thr Gly Val Leu Arg Gln Gln Gly Arg Leu
115 120 125
Pro Cys Tyr Asn Asn Trp Lys Thr Lys Glu Gly Gly Pro Lys Cys Pro
130 135 140

(2) INFORMATION FOR SEQ ID NO:1239:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 492 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..492
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597426

- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1239:

aattttagga cctaattata agastcttc ttggagatgc tctaaggcac cgactcgccg	60
gggacagaga gagagaccga cgcgcggca gatccaagc tcaccctaga ggggaaagag	120
ggcgaccgaa gcggcgatgg gtttcatcat ggacttcgcg gagaatctga tcctccgtct	180
gatggaggac cccgacaagg gcgaccaggat tcggcggag catgtctaca agatgaaggaa	240
gcggtgcgag cgcactaagg cggcgtggag cttccctctg cgccccctacg gttctggac	300
cttcgaccgc ttcaactcgc agctctcctg ggatccccag atcagccagg ccgcggcgt	360
ncgggaccgc tacgacgacc tcategcacg ccactctggc tcgcccgt ctccctgaac	420
acccgttccg atcttgccc agaaggctta cttggcata aataagaaac tctttccct	480
caaactgatt gt	

- (2) INFORMATION FOR SEQ ID NO:1240:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 93 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..93
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597427

- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1240:

Met Gly Ile Met Asp Phe Ala Glu Asn Leu Ile Leu Arg Leu Met	
1 5 10 15	
Glu Asp Pro Asp Lys Arg Asp Gln Val Arg Arg Glu His Val Tyr Lys	
20 25 30	
Met Lys Glu Arg Cys Glu Arg Thr Lys Ala Ala Trp Ser Leu Pro Leu	
35 40 45	
Arg Pro Tyr Gly Phe Trp Thr Phe Asp Arg Phe Asn Ser Gln Leu Ser	
50 55 60	
Trp Asp Pro Gln Ile Ser Gln Ala Ala Gly Xaa Arg Asp Pro Tyr Asp	
65 70 75 80	
Asp Leu Ile Ala Arg His Ser Gly Ser Pro Pro Ser Ser	
85 90	

- (2) INFORMATION FOR SEQ ID NO:1241:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 89 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..89
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597428

- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1241:

Met Asp Phe Ala Glu Asn Leu Ile Leu Arg Leu Met Glu Asp Pro Asp	
1 5 10 15	
Lys Arg Asp Gln Val Arg Arg Glu His Val Tyr Lys Met Lys Glu Arg	
20 25 30	
Cys Glu Arg Thr Lys Ala Ala Trp Ser Leu Pro Leu Arg Pro Tyr Gly	

35 40 45
Phe Trp Thr Phe Asp Arg Phe Asn Ser Gln Leu Ser Trp Asp Pro Gln
50 55 60
Ile Ser Gln Ala Ala Gly Xaa Arg Asp Pro Tyr Asp Asp Leu Ile Ala
65 70 75 80
Arg His Ser Gly Ser Pro Pro Ser Ser
85

(2) INFORMATION FOR SEQ ID NO:1242:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 78 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..78
(D) OTHER INFORMATION: / Ceres Seq. ID 1597429

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1242:

Met Glu Asp Pro Asp Lys Arg Asp Gln Val Arg Arg Glu His Val Tyr
1 5 10 15
Lys Met Lys Glu Arg Cys Glu Arg Thr Lys Ala Ala Trp Ser Leu Pro
20 25 30
Leu Arg Pro Tyr Gly Phe Trp Thr Phe Asp Arg Phe Asn Ser Gln Leu
35 40 45
Ser Trp Asp Pro Gln Ile Ser Gln Ala Ala Gly Xaa Arg Asp Pro Tyr
50 55 60
Asp Asp Leu Ile Ala Arg His Ser Gly Ser Pro Pro Ser Ser
65 70 75

(2) INFORMATION FOR SEQ ID NO:1243:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 868 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(ix) FEATURE:
(A) NAME/KEY: -
(B) LOCATION: 1..868
(D) OTHER INFORMATION: / Ceres Seq. ID 1597430

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1243:

agaagcttat	cgcttatcat	ccgcgcctct	acatttcttc	tctctctgct	cctccgcctc	60
cgccctccgsc	tggwtccsat	ccaagacagg	gatcgccatg	tcggactcgg	aggagcacca	120
cttcgaatcg	aaggccgacg	ctggggcgtc	caagacctac	ccgcagcagg	ctggcaccgt	180
ccgtaagaac	ggcttcatcg	tcatcaagaa	ccgtccctgc	aaggttgtgg	agtttctac	240
ctccaagact	ggtaagcatg	gccacgccaa	atgccacttt	gtcgccatag	acatattcaa	300
tggaaaaaag	cttgaagata	ttgttcccttc	atcacacaac	tgtgacattc	cgcatgtgaa	360
ccgtactgag	tatcagctga	ttgatatttc	tgaggatgga	tttgtgagcc	ttcttacttc	420
agatggcaac	actaaggatg	atcttagact	cccaactgat	gagactctt	tggcccagat	480
taaggaaggg	ttcgaagacg	ggaaggatct	tgttgtgact	gtccagtctg	cgatggggga	540
ggagcagatc	tgcgcgctga	aggatgttgg	ccccaaagtta	cttccttggc	tttggagacg	600
gaaccctact	ctatctcaac	ttaaatcgga	aaagaagtgt	atcaccaaaa	ggattgctac	660
cgagacatc	acctggcttg	agctbgtt	tgctatagcg	tgcaagggggt	tgctgggtgt	720
cgtacctacc	tgacttata	ttatctgtgg	ttacattctg	gaccctgtat	tttctatgct	780
ttcatgtctc	tctactttct	agtattaatt	atcaataagt	tggttggaa	tggttgaatt	840
gcataatgc	catgaagttt	ctttggct				

(2) INFORMATION FOR SEQ ID NO:1244:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 192 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:

(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..192
(D) OTHER INFORMATION: / Ceres Seq. ID 1597431
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1244:

Glu Ala Tyr Arg Leu Ser Ser Ala Pro Leu His Phe Phe Ser Leu Cys
1 5 10 15
Ser Ser Ala Ser Ala Ser Xaa Trp Xaa Xaa Ser Lys Thr Gly Ile Ala
20 25 30
Met Ser Asp Ser Glu Glu His His Phe Glu Ser Lys Ala Asp Ala Gly
35 40 45
Ala Ser Lys Thr Tyr Pro Gln Gln Ala Gly Thr Val Arg Lys Asn Gly
50 55 60
Phe Ile Val Ile Lys Asn Arg Pro Cys Lys Val Val Glu Val Ser Thr
65 70 75 80
Ser Lys Thr Gly Lys His Gly His Ala Lys Cys His Phe Val Ala Ile
85 90 95
Asp Ile Phe Asn Gly Lys Leu Glu Asp Ile Val Pro Ser Ser His
100 105 110
Asn Cys Asp Ile Pro His Val Asn Arg Thr Glu Tyr Gln Leu Ile Asp
115 120 125
Ile Ser Glu Asp Gly Phe Val Ser Leu Leu Thr Ser Asp Gly Asn Thr
130 135 140
Lys Asp Asp Leu Arg Leu Pro Thr Asp Glu Thr Leu Val Ala Gln Ile
145 150 155 160
Lys Glu Gly Phe Glu Ser Gly Lys Asp Leu Val Val Thr Val Gln Ser
165 170 175
Ala Met Gly Glu Glu Gln Ile Cys Ala Leu Lys Asp Val Gly Pro Lys
180 185 190

(2) INFORMATION FOR SEQ ID NO:1245:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 160 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..160
(D) OTHER INFORMATION: / Ceres Seq. ID 1597432
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1245:

Met Ser Asp Ser Glu Glu His His Phe Glu Ser Lys Ala Asp Ala Gly
1 5 10 15
Ala Ser Lys Thr Tyr Pro Gln Gln Ala Gly Thr Val Arg Lys Asn Gly
20 25 30
Phe Ile Val Ile Lys Asn Arg Pro Cys Lys Val Val Glu Val Ser Thr
35 40 45
Ser Lys Thr Gly Lys His Gly His Ala Lys Cys His Phe Val Ala Ile
50 55 60
Asp Ile Phe Asn Gly Lys Leu Glu Asp Ile Val Pro Ser Ser His
65 70 75 80
Asn Cys Asp Ile Pro His Val Asn Arg Thr Glu Tyr Gln Leu Ile Asp
85 90 95
Ile Ser Glu Asp Gly Phe Val Ser Leu Leu Thr Ser Asp Gly Asn Thr
100 105 110
Lys Asp Asp Leu Arg Leu Pro Thr Asp Glu Thr Leu Val Ala Gln Ile
115 120 125

Lys Glu Gly Phe Glu Ser Gly Lys Asp Leu Val Val Thr Val Gln Ser
130 135 140
Ala Met Gly Glu Glu Gln Ile Cys Ala Leu Lys Asp Val Gly Pro Lys
145 150 155 160

(2) INFORMATION FOR SEQ ID NO:1246:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 239 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(ix) FEATURE:

(A) NAME/KEY: -
(B) LOCATION: 1..239
(D) OTHER INFORMATION: / Ceres Seq. ID 1597437

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1246:

acagcatctc aagtcttcac actcctcgcc atcacataaa accagtgc aa gcagaaggc ag
cgcaatggcg agcagcacca tggcccttc ctccacagcc ttgcggca akgcagtgaa 60
cgtgccgtcg tctctcwtcg gcgangccc cgtgacgatg cgcaagangg cgcgaaakgc 120
aaagccggcg gcgagctccg gcagccgtg gtacggcccc gamcgctgc tctacctgg 180

(2) INFORMATION FOR SEQ ID NO:1247:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 79 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..79
(D) OTHER INFORMATION: / Ceres Seq. ID 1597438

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1247:

Gln His Leu Lys Ser Ser His Ser Ser Pro Ser His Lys Thr Ser Ala
1 5 10 15
Ser Arg Ser Ser Ala Met Ala Ser Ser Thr Met Ala Leu Ser Ser Thr
20 25 30
Ala Phe Ala Gly Xaa Ala Val Asn Val Pro Ser Ser Leu Xaa Gly Xaa
35 40 45
Ala Arg Val Thr Met Arg Lys Xaa Ala Ala Xaa Ala Lys Pro Ala Ala
50 55 60
Ser Ser Gly Ser Pro Trp Tyr Gly Pro Xaa Arg Val Leu Tyr Leu
65 70 75

(2) INFORMATION FOR SEQ ID NO:1248:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 58 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..58
(D) OTHER INFORMATION: / Ceres Seq. ID 1597439

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1248:

Met Ala Ser Ser Thr Met Ala Leu Ser Ser Thr Ala Phe Ala Gly Xaa
1 5 10 15
Ala Val Asn Val Pro Ser Ser Leu Xaa Gly Xaa Ala Arg Val Thr Met
20 25 30
Arg Lys Xaa Ala Ala Xaa Ala Lys Pro Ala Ala Ser Ser Gly Ser Pro

35 40 45
Trp Tyr Gly Pro Xaa Arg Val Leu Tyr Leu
50 55

(2) INFORMATION FOR SEQ ID NO:1249:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 53 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..53
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597440

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1249:

Met Ala Leu Ser Ser Thr Ala Phe Ala Gly Xaa Ala Val Asn Val Pro
1 5 10 15
Ser Ser Leu Xaa Gly Xaa Ala Arg Val Thr Met Arg Lys Xaa Ala Ala
20 25 30
Xaa Ala Lys Pro Ala Ala Ser Ser Gly Ser Pro Trp Tyr Gly Pro Xaa
35 40 45

Arg Val Leu Tyr Leu

50

(2) INFORMATION FOR SEQ ID NO:1250:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 130 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..130
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597452

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1250:

tctcccaaag ccatcttcct tccgcggact agtttttct gaagattcgg cgatggcgcc
gacgatccaa tccgtgaagg cgcgccagat ctttgacagc cgcggcaacc ctacagtgcg
ggtcgacgtg

60

120

(2) INFORMATION FOR SEQ ID NO:1251:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 43 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..43
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597453

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1251:

Leu Pro Lys Pro Ser Ser Phe Arg Gly Leu Val Phe Ser Glu Asp Ser
1 5 10 15
Ala Met Ala Ala Thr Ile Gln Ser Val Lys Ala Arg Gln Ile Phe Asp
20 25 30
Ser Arg Gly Asn Pro Thr Val Glu Val Asp Val
35 40

(2) INFORMATION FOR SEQ ID NO:1252:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 446 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single

(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(ix) FEATURE:
(A) NAME/KEY: -
(B) LOCATION: 1..446
(D) OTHER INFORMATION: / Ceres Seq. ID 1597456

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1252:

aagctcctcg tcaccagtca gaaaacagtg ggatcgagg ttactgc acgagcacat	60
cctccggcga ccaccggct ccctctccgt cctctagcga ccgaccaacg cgtcgagcga	120
agatgtcgta gcagacgtac gtggacgagc aaccctggat gtgcgagatc gaggggccacc	180
acctcacgtc ggcggccatc gtcggccacg rgccacct gggctcagag caccgcattc	240
cccgagttca agcccgagga gatggctgcc atcatgaagg atttcgacga gccggggcac	300
tcgccccgac cggctgata ctgggagca ccaagtacat ggtcatccaa gtcgaacctg	360
gagctgtcat ccgtggcaag aaggatccg gggcatcac tgtgaagaaa acagggcagt	420
cactcatcat tggcatctac gacgag	

(2) INFORMATION FOR SEQ ID NO:1253:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 105 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..105
(D) OTHER INFORMATION: / Ceres Seq. ID 1597457

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1253:

Lys Leu Leu Val Thr Ser Gln Thr Val Gly Ser Ser Cys Phe Thr	
1 5 10 15	
Ala Arg Ala His Pro Pro Ala Thr Thr Gly Leu Pro Leu Arg Pro Leu	
20 25 30	
Ala Thr Asp Gln Arg Val Glu Arg Arg Cys Arg Gly Arg Arg Thr Trp	
35 40 45	
Thr Ser Asn Pro Gly Cys Ala Arg Ser Arg Ala Thr Thr Ser Arg Arg	
50 55 60	
Arg Pro Ser Ser Ala Thr Xaa Ala Thr Trp Ala Gln Ser Thr Ala Phe	
65 70 75 80	
Pro Glu Phe Lys Pro Glu Glu Met Ala Ala Ile Met Lys Asp Phe Asp	
85 90 95	
Glu Pro Gly His Ser Pro Arg Pro Ala	
100 105	

(2) INFORMATION FOR SEQ ID NO:1254:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 148 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..148
(D) OTHER INFORMATION: / Ceres Seq. ID 1597458

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1254:

Ala Pro Arg His Gln Ser Glu Asn Ser Gly Ile Glu Leu Phe His Cys	
1 5 10 15	
Thr Ser Thr Ser Ser Gly Asp His Arg Pro Pro Ser Pro Ser Ser	
20 25 30	
Asp Arg Pro Thr Arg Arg Ala Lys Met Ser Trp Gln Thr Tyr Val Asp	
35 40 45	
Glu Gln Pro Trp Met Cys Glu Ile Glu Gly His His Leu Thr Ser Ala	
50 55 60	

Ala Ile Val Gly His Xaa Arg His Leu Gly Ser Glu His Arg Ile Pro
65 70 75 80
Arg Val Gln Ala Arg Gly Asp Gly Cys His His Glu Gly Phe Arg Arg
85 90 95
Ala Gly Ala Leu Ala Pro Thr Gly Leu Ile Leu Gly Gly Thr Lys Tyr
100 105 110
Met Val Ile Gln Val Glu Pro Gly Ala Val Ile Arg Gly Lys Lys Gly
115 120 125
Ser Gly Gly Ile Thr Val Lys Lys Thr Gly Gln Ser Leu Ile Ile Gly
130 135 140
Ile Tyr Asp Glu
145

(2) INFORMATION FOR SEQ ID NO:1255:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 108 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..108
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597459

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1255:

Met Ser Trp Gln Thr Tyr Val Asp Glu Gln Pro Trp Met Cys Glu Ile
1 5 10 15
Glu Gly His His Leu Thr Ser Ala Ala Val Gly His Xaa Arg His
20 25 30
Leu Gly Ser Glu His Arg Ile Pro Arg Val Gln Ala Arg Gly Asp Gly
35 40 45
Cys His His Glu Gly Phe Arg Arg Ala Gly Ala Leu Ala Pro Thr Gly
50 55 60
Leu Ile Leu Gly Gly Thr Lys Tyr Met Val Ile Gln Val Glu Pro Gly
65 70 75 80
Ala Val Ile Arg Gly Lys Lys Gly Ser Gly Gly Ile Thr Val Lys Lys
85 90 95
Thr Gly Gln Ser Leu Ile Ile Gly Ile Tyr Asp Glu
100 105

(2) INFORMATION FOR SEQ ID NO:1256:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 472 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..472
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597476

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1256:

atctcagcag tgacgaactc gaagcttgck ttcttgtagt agaggtcgcc agcaagcggt 60
ggtagagcga gaggtcgaga agatgaagag cagcactctg ttggcgatcc tagttctcca 120
ggcccttctg gtctctgcgg ccgtggaaaa ggacctgcag ggccgacgc gaagaagcag 180
tgctggttgc ggcgagtgca ccasctggtc gggcgtgtgg acctgcgacg acctcctcac 240
caagtgcgcc gccacctgca agaactgcgt ccccgtgtcc acggacaagg gggccatcaa 300
gtacaggtgc cgcgacttcc tccccgaaaa ctgcggctgc aagatccact agagactcat 360
ccaattccac catggccgcg cggcacagcg gcacagccga ttggatcctt ccatgttcct 420
ccgtccgtcc gccttgctac aagcaggcag ccacaccaat aagctagctc tt

(2) INFORMATION FOR SEQ ID NO:1257:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 89 amino acids

- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..89
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597477
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1257:

Met Lys Ser Ser Thr Leu Leu Ala Ile Leu Val Leu Gln Ala Leu Leu
1 5 10 15
Val Ser Ala Ala Val Ala Lys Asp Leu Gln Gly Arg Arg Arg Arg Ser
20 25 30
Ser Ala Gly Cys Gly Glu Cys Thr Xaa Trp Ser Gly Val Trp Thr Cys
35 40 45
Asp Asp Leu Leu Thr Lys Cys Ala Ala Thr Cys Lys Asn Cys Val Pro
50 55 60
Val Ser Thr Asp Lys Gly Ala Ile Lys Tyr Arg Cys Arg Asp Phe Leu
65 70 75 80
Pro Glu Asn Cys Gly Cys Lys Ile His
85

(2) INFORMATION FOR SEQ ID NO:1258:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 406 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..406
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597478
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1258:

accaaggaaa ttcacaaaagc gccttagaaaa agcataacttc ccgaaggact cttgcaatcc 60
actgagttct gtttgttag acgcatacgat ctagtgcata gcgtcgacaa tgcgcgtcg 120
gaggcgacg aacgtgttcg accccttctc gatggacctc tgggatcccct tcgacaccat 180
gttccgctcc atcgtcccgt cgccgacactc caccactcc gagactgccc cttcgccag 240
cgcccgcatc gactggaagg agacgccccga ggsgcacgtc ttcaaggccg acttccccgg 300
cgtcaagaag gaggaggta aggtcgagggt cgaagmgnnc aacgtgctgg tcatcagcgg 360
ccagcgcasa gggagaagga ggacaaggac gacaagtggc accgcg

(2) INFORMATION FOR SEQ ID NO:1259:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 135 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..135
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597479
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1259:

Thr Lys Glu Ile His Lys Ala Pro Ser Lys Ser Ile Leu Pro Glu Ala
1 5 10 15
Leu Leu Gln Ser Thr Glu Phe Cys Leu Leu Arg Arg Ile Glu Leu Ala
20 25 30
Ala Ser Val Asp Asn Val Ala Arg Glu Ala His Glu Arg Val Arg Pro
35 40 45
Leu Leu Asp Gly Pro Leu Gly Ser Leu Arg His His Val Pro Leu His
50 55 60
Arg Pro Val Gly Asp Leu His Gln Leu Arg Asp Cys Arg Leu Arg Gln

65 70 75 80
Arg Pro His Arg Leu Glu Gly Asp Ala Arg Xaa Ala Arg Leu Gln Gly
 85 90 95
Arg Pro Pro Arg Arg Gln Glu Gly Gly Gln Gly Arg Gly Arg Xaa
 100 105 110
Xaa Gln Arg Ala Gly His Gln Arg Pro Ala Xaa Arg Glu Lys Glu Asp
 115 120 125
Lys Asp Asp Lys Trp His Arg
 130 135

(2) INFORMATION FOR SEQ ID NO:1260:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 99 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..99
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597480

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1260:

Met Ser Leu Val Arg Arg Thr Asn Val Phe Asp Pro Phe Ser Met Asp
1 5 10 15
Leu Trp Asp Pro Phe Asp Thr Met Phe Arg Ser Ile Val Pro Ser Ala
20 25 30
Thr Ser Thr Asn Ser Glu Thr Ala Ala Phe Ala Ser Ala Arg Ile Asp
35 40 45
Trp Lys Glu Thr Pro Glu Xaa His Val Phe Lys Ala Asp Leu Pro Gly
50 55 60
Val Lys Glu Glu Val Lys Val Glu Val Glu Xaa Xaa Asn Val Leu
65 70 75 80
Val Ile Ser Gly Gln Arg Xaa Gly Arg Arg Thr Arg Thr Thr Ser
85 90 95
Gly Thr Ala

(2) INFORMATION FOR SEQ ID NO:1261:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 85 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..85
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597481

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1261:

Met Asp Leu Trp Asp Pro Phe Asp Thr Met Phe Arg Ser Ile Val Pro
1 5 10 15
Ser Ala Thr Ser Thr Asn Ser Glu Thr Ala Ala Phe Ala Ser Ala Arg
20 25 30
Ile Asp Trp Lys Glu Thr Pro Glu Xaa His Val Phe Lys Ala Asp Leu
35 40 45
Pro Gly Val Lys Lys Glu Glu Val Lys Val Glu Val Glu Xaa Xaa Asn
50 55 60
Val Leu Val Ile Ser Gly Gln Arg Xaa Gly Arg Arg Arg Thr Arg Thr
65 70 75 80
Thr Ser Gly Thr Ala
85

(2) INFORMATION FOR SEQ ID NO:1262:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 463 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(ix) FEATURE:
(A) NAME/KEY: -
(B) LOCATION: 1..463
(D) OTHER INFORMATION: / Ceres Seq. ID 1597482
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1262:
accacagcat ccgcrttcc ccgaccacac cgttcctccg agccccaggag caccggcg 60
ccaggaggaa gtttgttctt ttaacaatat gtcgagggag gagaatgttt acatggccaa 120
gttggcttag caggctgaaa ggtatgagga gatggtttag tatatggaga aggtggctaa 180
gactgttagat gtggaaagagc tcactgttga ggagcgtaac cttctgtctg ttgcatacaa 240
gaatgtgatt ggggctcgcc gcgcttcatg ggcattgtt tcttccattg aacaaaaggaa 300
ggagtcccgt aagaacgaag agcatgtgaa ccttatcaag gaatatcgta gcaagatcga 360
ggctgaactg agcaatatct gtatggaat cttaagctg cttgactccc acctagtgcc 420
ttcttctact gctgctgaat caaaggctt ctacctcaag atg
(2) INFORMATION FOR SEQ ID NO:1263:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 154 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..154
(D) OTHER INFORMATION: / Ceres Seq. ID 1597483
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1263:
Pro Gln His Pro Xaa Phe Pro Asp His Thr Val Pro Pro Ser Pro Gly
1 5 10 15
Ala Pro Pro Arg Gln Glu Glu Val Cys Ser Phe Asn Asn Met Ser Arg
20 25 30
Glu Glu Asn Val Tyr Met Ala Lys Leu Ala Glu Gln Ala Glu Arg Tyr
35 40 45
Glu Glu Met Val Glu Tyr Met Glu Lys Val Ala Lys Thr Val Asp Val
50 55 60
Glu Glu Leu Thr Val Glu Glu Arg Asn Leu Leu Ser Val Ala Tyr Lys
65 70 75 80
Asn Val Ile Gly Ala Arg Arg Ala Ser Trp Arg Ile Val Ser Ser Ile
85 90 95
Glu Gln Lys Glu Glu Ser Arg Lys Asn Glu Glu His Val Asn Leu Ile
100 105 110
Lys Glu Tyr Arg Gly Lys Ile Glu Ala Glu Leu Ser Asn Ile Cys Asp
115 120 125
Gly Ile Leu Lys Leu Leu Asp Ser His Leu Val Pro Ser Ser Thr Ala
130 135 140
Ala Glu Ser Lys Val Phe Tyr Leu Lys Met
145 150
(2) INFORMATION FOR SEQ ID NO:1264:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 125 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..125
(D) OTHER INFORMATION: / Ceres Seq. ID 1597484

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1264:
Met Ser Arg Glu Glu Asn Val Tyr Met Ala Lys Leu Ala Glu Gln Ala
1 5 10 15
Glu Arg Tyr Glu Glu Met Val Glu Tyr Met Glu Lys Val Ala Lys Thr
20 25 30
Val Asp Val Glu Glu Leu Thr Val Glu Glu Arg Asn Leu Leu Ser Val
35 40 45
Ala Tyr Lys Asn Val Ile Gly Ala Arg Arg Ala Ser Trp Arg Ile Val
50 55 60
Ser Ser Ile Glu Gln Lys Glu Glu Ser Arg Lys Asn Glu Glu His Val
65 70 75 80
Asn Leu Ile Lys Glu Tyr Arg Gly Lys Ile Glu Ala Glu Leu Ser Asn
85 90 95
Ile Cys Asp Gly Ile Leu Lys Leu Leu Asp Ser His Leu Val Pro Ser
100 105 110
Ser Thr Ala Ala Glu Ser Lys Val Phe Tyr Leu Lys Met
115 120 125

(2) INFORMATION FOR SEQ ID NO:1265:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 117 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..117
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597485

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1265:

Met Ala Lys Leu Ala Glu Gln Ala Glu Arg Tyr Glu Glu Met Val Glu
1 5 10 15
Tyr Met Glu Lys Val Ala Lys Thr Val Asp Val Glu Glu Leu Thr Val
20 25 30
Glu Glu Arg Asn Leu Leu Ser Val Ala Tyr Lys Asn Val Ile Gly Ala
35 40 45
Arg Arg Ala Ser Trp Arg Ile Val Ser Ser Ile Glu Gln Lys Glu Glu
50 55 60
Ser Arg Lys Asn Glu Glu His Val Asn Leu Ile Lys Glu Tyr Arg Gly
65 70 75 80
Lys Ile Glu Ala Glu Leu Ser Asn Ile Cys Asp Gly Ile Leu Lys Leu
85 90 95
Leu Asp Ser His Leu Val Pro Ser Ser Thr Ala Ala Glu Ser Lys Val
100 105 110
Phe Tyr Leu Lys Met
115

(2) INFORMATION FOR SEQ ID NO:1266:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 401 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..401
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597499

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1266:

agaaaacccta acactcatca cgccgccaact gatctgtct gttgctggtg actaggagca	60
gttagcgrnnga gggattctgg atggccaagt cgaagaacca cacggcgcat aaccagtgcgt	120
tcaaggcgca caagaacggc atcaagaagc ccaagcgcca ccggccagacc tcccaccaagg	180
ggatggaccc gaagttctga aggaacttga ggtactcaar gaagggcaac aagaagagtg	240

gcgaggctga gtccgaggag taagatgatg gtgattgagt ttgtggcgcac aaatgcatct 300
 cttgtatcgc taagagtctt agctgtgaac ttagttctca cttctgtgtg actgtgatca 360
 aaggacttgt gtatgatcaa aggagatcca tcagttggta c

(2) INFORMATION FOR SEQ ID NO:1267:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 60 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..60
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597500

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1267:

Met	Ala	Lys	Ser	Lys	Asn	His	Thr	Ala	His	Asn	Gln	Ser	Phe	Lys	Ala
1								5		10				15	
His	Lys	Asn	Gly	Ile	Lys	Lys	Pro	Lys	Arg	His	Arg	Gln	Thr	Ser	Thr
								20		25			30		
Lys	Gly	Met	Asp	Pro	Lys	Phe	Leu	Arg	Asn	Leu	Arg	Tyr	Ser	Xaa	Lys
							35		40			45			
Gly	Asn	Lys	Lys	Ser	Gly	Glu	Ala	Glu	Ser	Glu	Glu				
						50		55			60				

(2) INFORMATION FOR SEQ ID NO:1268:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 456 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..456
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597502

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1268:

aaactacacc	acaccgcacc	ggcaccacca	ccaaaccgagc	ggnnccaggc	tcctgctca	60
gaaggggaga	agaggcgagc	cttccttggg	aagtgcgagg	aggagagaag	gggaacaaaag	120
atggggcgcg	gcaagatcga	gatcaagcgg	atcgagaact	ccaccaaccg	ccagtgcact	180
tctccaagcg	ccgcaacggg	atcctaaga	aggcgcgga	gatcagcgtg	ctctgcgacg	240
ccgaggtcgg	cgtctcgtct	tctccagcgc	cggcaaagtg	taccgggggt	cattggtcga	300
gtgcgaggat	aacttggatt	gccagctcga	gaacataacc	ttcactgcca	aggatggaa	360
gttggcgcag	ctggagcagc	tcttcatcag	aggaaggaga	gtbagattta	tgattataacc	420
tgtatgtc	aagaacgctc	ccatgtcaa	gcgcctt			

(2) INFORMATION FOR SEQ ID NO:1269:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 151 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..151
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597503

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1269:

Asn	Tyr	Thr	Thr	Pro	His	Arg	His	His	Gln	Pro	Ser	Xaa	Xaa	Arg	
1						5			10			15			
Leu	Leu	Leu	Arg	Lys	Gly	Arg	Arg	Gly	Glu	Pro	Ser	Leu	Gly	Ser	Arg
						20			25			30			
Arg	Arg	Arg	Glu	Gly	Glu	Gln	Arg	Trp	Gly	Ala	Ala	Arg	Ser	Arg	Ser
						35			40			45			

Ser Gly Ser Arg Thr Pro Pro Thr Ala Ser Asp Leu Leu Gln Ala Pro
 50 55 60
 Gln Arg Asp Pro Gln Glu Gly Ala Gly Asp Gln Arg Ala Leu Arg Arg
 65 70 75 80
 Arg Gly Arg Arg Leu Val Phe Ser Ser Ala Gly Lys Val Tyr Arg Gly
 85 90 95
 Ser Leu Val Glu Cys Glu Asp Asn Trp Asn Cys Gln Leu Glu Asn Ile
 100 105 110
 Thr Phe Thr Ala Lys Asp Gly Lys Val Ser Gln Leu Glu His Val Phe
 115 120 125
 Ile Arg Gly Ser Arg Xaa Arg Phe Met Ile Ile Pro Asp Met Leu Lys
 130 135 140
 Asn Ala Pro Met Phe Lys Arg
 145 150

(2) INFORMATION FOR SEQ ID NO:1270:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 111 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..111
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597504

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1270:

Thr Thr Pro His Arg Thr Gly Thr Thr Asn Arg Ala Xaa Pro Gly
 1 5 10 15
 Ser Cys Ser Gly Arg Gly Glu Glu Ala Ser Leu Pro Trp Glu Val Ala
 20 25 30
 Gly Gly Glu Lys Gly Asn Lys Asp Gly Ala Arg Gln Asp Arg Asp Gln
 35 40 45
 Ala Asp Arg Glu Leu His Gln Pro Pro Val Thr Phe Ser Lys Arg Arg
 50 55 60
 Asn Gly Ile Leu Lys Lys Ala Arg Glu Ile Ser Val Leu Cys Asp Ala
 65 70 75 80
 Glu Val Gly Val Ser Ser Pro Ala Pro Ala Lys Cys Thr Gly Gly
 85 90 95
 His Trp Ser Ser Ala Arg Ile Thr Gly Ile Ala Ser Ser Arg Thr
 100 105 110

(2) INFORMATION FOR SEQ ID NO:1271:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 494 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..494
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597519

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1271:

atcaactcgc aattccgcat tcgttccaac tcttgagcac tttctccctcg tccccagacaa	60
gccaaatcgaa gcccggatc gaccatggac tccacccggca ccggaggcagg gggtaagggg	120
aagaaggagg cggccggcg caaggtcgcc gggccaaggga agaagtgcgt gtgcgggtcc	180
gtgaaggccg gtctccagtt ccccggtcgcc cgcatcgggc gctacttgaa gaaggggccgc	240
tacgcgcang ttccggaccgc gcccggccgt ctacctcgcc gctgtccctcg aatacctcg	300
cgctgagggtt ctggagctcg ccggtaatgc tgccagggac aaggcgatca agagggttca	360
ggtkaggaac atcggtggAAC aggccggccat cagggacgtc caggaagcat ggcgttatga	420
tggctacgtc cttccgaagc tgtacgccaat ggtgcaccac tgcgtctcggt ggcgcgatcca	480
mgstcacatc gtcc	

50 55

(2) INFORMATION FOR SEQ ID NO:1275:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 364 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..364
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597540
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1275:
aaactcgcaa ttccgcattc gttccaactc ctgagcaactt tctcctcgtc cccgacaaggc 60
caatcgaaagc cgagataacgg ccatggactc caccggcacc ggagcagggg gtaaggggaa 120
gangggagcg gcccggcgca aggtcggcgg gccaaggaaag aagtcggtgt cgagggtccgt 180
gaaggccggg ctccagttcc ccgtcggccg catcgggcgc tacttgaaga agggccgcta 240
cgcgcastgt ncggcacccgg cgcccccttc tacctcgcmg ctgtccctcga atacctckcc 300
gkaatttctg mcaactmndt gtaatsctgc sasrgacamc agaagactcg cattattccr 360
cgcc

(2) INFORMATION FOR SEQ ID NO:1276:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 59 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..59
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597541
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1276:
Thr Arg Asn Ser Ala Phe Val Pro Thr Pro Glu His Phe Leu Leu Val
1 5 10 15
Pro Asp Lys Pro Ile Glu Ala Glu Ile Arg Pro Trp Thr Pro Pro Ala
20 25 30
Pro Glu Gln Gly Val Arg Gly Arg Xaa Glu Arg Pro Gly Ala Arg Ser
35 40 45
Ala Gly Gln Gly Arg Ser Arg Cys Arg Gly Pro
50 55

(2) INFORMATION FOR SEQ ID NO:1277:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 94 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..94
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597542
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1277:
Met Asp Ser Thr Gly Thr Gly Ala Gly Gly Lys Gly Lys Xaa Gly Ala
1 5 10 15
Ala Gly Arg Lys Val Gly Gly Pro Arg Lys Lys Ser Val Ser Arg Ser
20 25 30
Val Lys Ala Gly Leu Gln Phe Pro Val Gly Arg Ile Gly Arg Tyr Leu
35 40 45
Lys Lys Gly Arg Tyr Ala Xaa Cys Xaa Ala Pro Ala Pro Pro Ser Thr
50 55 60
Ser Xaa Leu Ser Ser Asn Thr Xaa Pro Xaa Phe Leu Xaa Thr Xaa Xaa

65 70 75 80
Asn Xaa Xaa Xaa Asp Xaa Arg Arg Leu Ala Leu Phe Xaa Ala
 85 90

(2) INFORMATION FOR SEQ ID NO:1278:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 479 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..479
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597553
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1278:

attttcggca agattgcaac agggtcgcc ggtcgcgtt ctcctacgcg gtccgtggc 60
tgtgctgcct gctgttgcat cgtctcccg tttaaacggg cgaactcaag attgcaacag 120
ggtcgtccgc cgccaccaat tgctagcgca atcctagccc tagcccgacg cccctccctg 180
cgtcgtgctc ggttagcgatg gcgtcggtt ctgaagcgcc cccggggAAC ccaactgctg 240
gcgagaagat cttcaagacc aagtgcgcgc agtgcacac cgtcgacaag ggcgccggcc 300
acaagcaagg tcctaatttg aatggtctgt ttgggaggca gtctggtaca acacctggct 360
actcttactc ttccggctaac aagaacatgg ctgtgatttg ggaggagaac actttgtatg 420
actacttgct taatcccaag aagtacatc ctggAACAA gatggtattc cctggactg

(2) INFORMATION FOR SEQ ID NO:1279:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 64 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..64
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597554
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1279:

Ile Phe Gly Lys Ile Ala Thr Gly Ser Ser Gly Arg Val Ser Pro Thr
1 5 10 15
Arg Ser Val Gly Cys Ala Ala Cys Cys Cys Ile Val Ser Ser Phe Lys
20 25 30
Arg Ala Asn Ser Arg Leu Gln Gln Gly Arg Pro Pro Pro Pro Ile Ala
35 40 45
Ser Ala Ile Leu Ala Leu Ala Gln Arg Pro Ser Leu Arg Arg Ala Arg
50 55 60

(2) INFORMATION FOR SEQ ID NO:1280:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 51 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..51
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597555
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1280:

Phe Ser Ala Arg Leu Gln Gln Gly Arg Pro Val Ala Phe Leu Leu Arg
1 5 10 15
Gly Pro Trp Ala Leu Pro Ala Val Ala Ser Ser Pro Arg Leu Asn
20 25 30

Gly Arg Thr Gln Asp Cys Asn Arg Val Val Arg Arg His Gln Leu Leu
35 40 45

Ala Gln Ser
50

(2) INFORMATION FOR SEQ ID NO:1281:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 94 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..94
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597556

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1281:

Met Ala Ser Phe Ser Glu Ala Pro Pro Gly Asn Pro Thr Ala Gly Glu
1 5 10 15
Lys Ile Phe Lys Thr Lys Cys Ala Gln Cys His Thr Val Asp Lys Gly
20 25 30
Ala Gly His Lys Gln Gly Pro Asn Leu Asn Gly Leu Phe Gly Arg Gln
35 40 45
Ser Gly Thr Thr Pro Gly Tyr Ser Tyr Ser Ala Asn Lys Asn Met
50 55 60
Ala Val Ile Trp Glu Glu Asn Thr Leu Tyr Asp Tyr Leu Leu Asn Pro
65 70 75 80
Lys Lys Tyr Ile Pro Gly Thr Lys Met Val Phe Pro Gly Leu
85 90

(2) INFORMATION FOR SEQ ID NO:1282:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 116 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..116
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597579

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1282:

cnaaaaaaagg tacacatcat ctcttccaaa tcccaccagc aaatccccaa ttccctccgag 60
ttcgagcgcac catgtcgggg cgtggcaagg gcgggaaggg tctgggcaaa ggccgc

(2) INFORMATION FOR SEQ ID NO:1283:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 38 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..38
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597580

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1283:

Xaa Lys Lys Val His Ile Ile Ser Ser Lys Ser His Gln Gln Ile Pro
1 5 10 15
Asn Ser Ser Glu Phe Glu Arg Pro Cys Arg Gly Val Ala Arg Ala Gly
20 25 30
Arg Val Trp Ala Lys Ala
35

(2) INFORMATION FOR SEQ ID NO:1284:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 38 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..38
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597581

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1284:

Xaa Lys Arg Tyr Thr Ser Ser Leu Pro Asn Pro Thr Ser Lys Ser Pro
1 5 10 15
Ile Pro Pro Ser Ser Ser Asp His Val Gly Ala Trp Gln Gly Arg Glu
20 25 30
Gly Ser Gly Gln Arg Arg
35

(2) INFORMATION FOR SEQ ID NO:1285:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 38 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..38
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597582

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1285:

Lys Lys Gly Thr His His Leu Phe Gln Ile Pro Pro Ala Asn Pro Gln
1 5 10 15
Phe Leu Arg Val Arg Ala Thr Met Ser Gly Arg Gly Lys Gly Gly Lys
20 25 30
Gly Leu Gly Lys Gly Gly
35

(2) INFORMATION FOR SEQ ID NO:1286:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 486 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..486
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597589

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1286:

accgcagcca	caccccaaca	tcaaaaacctt	ccccatctttt	ccccctccggcc	ggcggtctctg	60
ctctcaagat	cgccatggcg	tcagaaaaaga	agcagtcgaa	cccgatgcgg	gagatcaagg	120
tgcagaagct	cgtgctcaat	atctccgttg	gagagagtgg	agatcgactc	acccgcgcgg	180
ccaagggttt	ggagcagttt	agtggggcagt	ctccggtttt	ctccaaggca	aggtataactg	240
tgagggtctt	cgttattcgt	cgtaatgaga	agattgcatt	ctacgttacg	gtcagggggtg	300
agaaggcaat	gcagcttctt	gagagtggcc	tcaagggtgaa	ggagtatgag	cttctgagga	360
ggaacttcaag	tgatactggc	tgctttggtt	ttggatttca	ggagcacatt	gatcttggaa	420
tcaagtatga	cccgctact	ggtattttatn	gcatggactt	ttacgtcggt	ctggAACGAG	480
ctcggtt						

(2) INFORMATION FOR SEQ ID NO:1287:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 161 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:

(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..161
(D) OTHER INFORMATION: / Ceres Seq. ID 1597590
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1287:

Arg Ser His Thr Pro Thr Ser Lys Pro Ser His Leu Phe Pro Ser Ala
1 5 10 15
Ala Val Ser Ala Leu Lys Ile Ala Met Ala Ser Glu Lys Lys Gln Ser
20 25 30
Asn Pro Met Arg Glu Ile Lys Val Gln Lys Leu Val Leu Asn Ile Ser
35 40 45
Val Gly Glu Ser Gly Asp Arg Leu Thr Arg Ala Ala Lys Val Leu Glu
50 55 60
Gln Leu Ser Gly Gln Ser Pro Val Phe Ser Lys Ala Arg Tyr Thr Val
65 70 75 80
Arg Ser Phe Gly Ile Arg Arg Asn Glu Lys Ile Ala Cys Tyr Val Thr
85 90 95
Val Arg Gly Glu Lys Ala Met Gln Leu Leu Glu Ser Gly Leu Lys Val
100 105 110
Lys Glu Tyr Glu Leu Leu Arg Arg Asn Phe Ser Asp Thr Gly Cys Phe
115 120 125
Gly Phe Gly Ile Gln Glu His Ile Asp Leu Gly Ile Lys Tyr Asp Pro
130 135 140
Ser Thr Gly Ile Tyr Xaa Met Asp Phe Tyr Val Val Leu Glu Arg Ala
145 150 155 160
Arg

(2) INFORMATION FOR SEQ ID NO:1288:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 137 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..137
(D) OTHER INFORMATION: / Ceres Seq. ID 1597591
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1288:
Met Ala Ser Glu Lys Lys Gln Ser Asn Pro Met Arg Glu Ile Lys Val
1 5 10 15
Gln Lys Leu Val Leu Asn Ile Ser Val Gly Glu Ser Gly Asp Arg Leu
20 25 30
Thr Arg Ala Ala Lys Val Leu Glu Gln Leu Ser Gly Gln Ser Pro Val
35 40 45
Phe Ser Lys Ala Arg Tyr Thr Val Arg Ser Phe Gly Ile Arg Arg Asn
50 55 60
Glu Lys Ile Ala Cys Tyr Val Thr Val Arg Gly Glu Lys Ala Met Gln
65 70 75 80
Leu Leu Glu Ser Gly Leu Lys Val Lys Glu Tyr Glu Leu Leu Arg Arg
85 90 95
Asn Phe Ser Asp Thr Gly Cys Phe Gly Phe Gly Ile Gln Glu His Ile
100 105 110
Asp Leu Gly Ile Lys Tyr Asp Pro Ser Thr Gly Ile Tyr Xaa Met Asp
115 120 125
Phe Tyr Val Val Leu Glu Arg Ala Arg
130 135
(2) INFORMATION FOR SEQ ID NO:1289:
(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 127 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..127
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597592
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1289:

Met Arg Glu Ile Lys Val Gln Lys Leu Val Leu Asn Ile Ser Val Gly
1 5 10 15
Glu Ser Gly Asp Arg Leu Thr Arg Ala Ala Lys Val Leu Glu Gln Leu
20 25 30
Ser Gly Gln Ser Pro Val Phe Ser Lys Ala Arg Tyr Thr Val Arg Ser
35 40 45
Phe Gly Ile Arg Arg Asn Glu Lys Ile Ala Cys Tyr Val Thr Val Arg
50 55 60
Gly Glu Lys Ala Met Gln Leu Leu Glu Ser Gly Leu Lys Val Lys Glu
65 70 75 80
Tyr Glu Leu Leu Arg Arg Asn Phe Ser Asp Thr Gly Cys Phe Gly Phe
85 90 95
Gly Ile Gln Glu His Ile Asp Leu Gly Ile Lys Tyr Asp Pro Ser Thr
100 105 110
Gly Ile Tyr Xaa Met Asp Phe Tyr Val Val Leu Glu Arg Ala Arg
115 120 125

(2) INFORMATION FOR SEQ ID NO:1290:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 413 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..413
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597600
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1290:

accgacggca tttgcacatctk agttcctgtat tgggttattc cagtttcttc tggtagtttt 60
gtgggatcgc gaggwagaac tagaaggatg tcgtgctgcg gaggcaactg cgggtkcgcc 120
gccggctgca agtgcggcac ggctgcggag ggtgcaagat gtacccggac atggctgagc 180
aggtgaccac cactaacccag actctcatca tgggtgttgc accgtccaag ggcgggttcg 240
aggcggccgc gangctgaga acggcgggtg caagtckggc gccaactgca cctgcgaccc 300
ctgcacacctc aagtggagacg acggcgatga cgctkcaggg cgtcaattgg gatcgaaagg 360
acttttat cttaagctt agtataatat tctagcagtg tcgttgtt ttt

(2) INFORMATION FOR SEQ ID NO:1291:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 61 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..61
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597601
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1291:

Thr Asp Gly Ile Cys Ile Xaa Val Pro Asp Cys Cys Ile Pro Val Ser
1 5 10 15
Ser Val Ser Phe Val Gly Ser Arg Xaa Arg Thr Arg Arg Met Ser Cys
20 25 30

Cys Gly Gly Asn Cys Gly Xaa Gly Ala Gly Cys Lys Cys Gly Thr Ala
35 40 45
Ala Glu Gly Ala Arg Cys Thr Arg Thr Trp Leu Ser Arg
50 55 60

(2) INFORMATION FOR SEQ ID NO:1292:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 78 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..78
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597602

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1292:

Met Tyr Pro Asp Met Ala Glu Gln Val Thr Thr Thr Gln Thr Leu
1 5 10 15
Ile Met Gly Val Ala Pro Ser Lys Gly Gly Phe Glu Ala Ala Ala Xaa
20 25 30
Leu Arg Thr Ala Gly Ala Ser Xaa Ala Pro Thr Ala Pro Ala Thr Pro
35 40 45
Ala Pro Ala Ser Glu Thr Thr Ala Met Thr Xaa Gln Gly Val Asn Trp
50 55 60
Asp Arg Lys Asp Ser Phe Ile Leu Ser Ser Ser Ile Ile Phe
65 70 75

(2) INFORMATION FOR SEQ ID NO:1293:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 74 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..74
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597603

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1293:

Met Ala Glu Gln Val Thr Thr Thr Gln Thr Leu Ile Met Gly Val
1 5 10 15
Ala Pro Ser Lys Gly Gly Phe Glu Ala Ala Ala Xaa Leu Arg Thr Ala
20 25 30
Gly Ala Ser Xaa Ala Pro Thr Ala Pro Ala Thr Pro Ala Pro Ala Ser
35 40 45
Glu Thr Thr Ala Met Thr Xaa Gln Gly Val Asn Trp Asp Arg Lys Asp
50 55 60
Ser Phe Ile Leu Ser Ser Ser Ile Ile Phe
65 70

(2) INFORMATION FOR SEQ ID NO:1294:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 449 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..449
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597620

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1294:

gaagagggaa gggggatata aacacaagggt accagcagcg caaagagccg

ggtgttggca cagatcaggc ggccgcattt gatcatcgag gaggtgaaca agggcctgaa ccacggaatg tggttctgc tcgatggttg ccagcttcct gctgctttc ttcccggaa actacgcgct gtatgtgtac gcgcagaaga cgctcccgcc gaagaagaag aagccggctt ccaagaggaa gctgaagagg gaaaagctga agcaggggtt ctcggcgcctt ggggagtgaa cagacaggaa tgccggcgat cggcccgcc tgagcccccc ccctatttac atgattgtcg aagaaaaaaag atacacctgc tggagcccggt gtgttcgttag taatttgtt ctgttagatg

(2) INFORMATION FOR SEQ ID NO:1295:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 94 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..94
(D) OTHER INFORMATION: / Ceres Seq. ID 1597621

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1295:

Glu Glu Gly Arg Gly Asp Ile Gly Glu Lys Asn Thr Arg Tyr Gln Gln
1 5 10 15
Arg Lys Glu Pro Gly Val Gly Thr Asp Gln Ala Ala Ala Trp Arg Xaa
20 25 30
Val Arg Gly Phe Gly Glu Gln Arg Asp His Arg Gly Gly Glu Gln Gly
35 40 45
Pro Glu Pro Arg Asn Gly Gly Ser Ala Arg Trp Leu Pro Ala Ser Cys
50 55 60
Cys Ser Ser Ser Pro Gly Thr Thr Arg Cys Met Cys Thr Arg Arg Arg
65 70 75 80
Arg Ser Arg Arg Arg Arg Ser Arg Ser Pro Arg Gly Ser
85 90

(2) INFORMATION FOR SEQ ID NO:1296:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 142 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..142
(D) OTHER INFORMATION: / Ceres Seq. ID 1597622

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1296:

Lys Arg Glu Gly Gly Ile Ser Gly Lys Lys Thr Gln Gly Thr Ser Ser
1 5 10 15
Ala Lys Ser Arg Val Leu Ala Gln Ile Arg Arg Pro His Gly Asp Xaa
20 25 30
Phe Ala Asp Ser Ala Asn Asn Val Ile Ile Glu Glu Val Asn Lys Gly
35 40 45
Leu Asn Pro Gly Met Val Val Leu Leu Asp Gly Cys Gln Leu Pro Ala
50 55 60
Ala Leu Leu Arg Arg Glu Leu Arg Ala Val Cys Val Arg Ala Glu Asp
65 70 75 80
Ala Pro Ala Glu Glu Glu Ala Gly Leu Gln Glu Glu Ala Glu Glu
85 90 95
Gly Lys Ala Glu Ala Gly Gly Leu Gly Ala Arg Gly Val Asn Arg Gln
100 105 110
Gly Cys Arg Arg Ser Ala Arg Pro Glu Pro Ala Pro Tyr Leu His Asp
115 120 125
Cys Arg Arg Lys Lys Ile His Leu Leu Glu Pro Arg Cys Ser
130 135 140

(2) INFORMATION FOR SEQ ID NO:1297:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 90 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..90
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597623

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1297:

Met Val Val Leu Leu Asp Gly Cys Gln Leu Pro Ala Ala Leu Leu Arg
1 5 10 15
Arg Glu Leu Arg Ala Val Cys Val Arg Ala Glu Asp Ala Pro Ala Glu
20 25 30
Glu Glu Ala Gly Leu Gln Glu Ala Glu Glu Gly Lys Ala Glu
35 40 45
Ala Gly Gly Leu Gly Ala Arg Gly Val Asn Arg Gln Gly Cys Arg Arg
50 55 60
Ser Ala Arg Pro Glu Pro Ala Pro Tyr Leu His Asp Cys Arg Arg Lys
65 70 75 80
Lys Ile His Leu Leu Glu Pro Arg Cys Ser
85 90

(2) INFORMATION FOR SEQ ID NO:1298:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 385 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..385
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597631

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1298:

aatcaactcg caatccgca ttcggttccaa ctccctgagca ctttcttcctc gtccccagaca	60
agccaatcga agccgagata cgaccatgga ctccacccggc accggagcag ggggttaagg	120
gaagaaggga gcggccgggc gcaagggtcgg cgggccaagg aagaagtccg tgcgtcgg	180
cgtgaaggcc ggtctccagt tccccgtcgg ccgcattcggg cgctacttka agaaggccc	240
ctacgcgcab gttccggcacc ggccgcggcc tctacctcgc cgctgtccctc gaatacctcg	300
ccgctgaggt tctggagctc gccggtaatg ctggccaggga caacaagaag actcgcatta	360
ttccgcgcca cgtgcttctk gcat	

(2) INFORMATION FOR SEQ ID NO:1299:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 38 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..38
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597632

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1299:

Asn Gln Leu Ala Ile Pro His Ser Phe Gln Leu Leu Ser Thr Phe Ser
1 5 10 15
Ser Ser Gln Thr Ser Gln Ser Lys Pro Arg Tyr Asp His Gly Leu His
20 25 30
Arg His Arg Ser Arg Gly
35

(2) INFORMATION FOR SEQ ID NO:1300:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 60 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..60
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597633

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1300:

Ser Thr Arg Asn Ser Ala Phe Val Pro Thr Pro Glu His Phe Leu Leu
1 5 10 15
Val Pro Asp Lys Pro Ile Glu Ala Glu Ile Arg Pro Trp Thr Pro Pro
20 25 30
Ala Pro Glu Gln Gly Val Arg Gly Arg Arg Glu Arg Pro Gly Ala Arg
35 40 45
Ser Ala Gly Gln Gly Arg Ser Arg Cys Arg Gly Pro
50 55 60

(2) INFORMATION FOR SEQ ID NO:1301:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 73 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..73
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597634

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1301:

Met Asp Ser Thr Gly Thr Gly Ala Gly Gly Lys Gly Lys Lys Gly Ala
1 5 10 15
Ala Gly Arg Lys Val Gly Gly Pro Arg Lys Lys Ser Val Ser Arg Ser
20 25 30
Val Lys Ala Gly Leu Gln Phe Pro Val Gly Arg Ile Gly Arg Tyr Xaa
35 40 45
Lys Lys Gly Arg Tyr Ala Xaa Val Arg His Arg Arg Pro Arg Leu Pro
50 55 60
Arg Arg Cys Pro Arg Ile Pro Arg Arg
65 70

(2) INFORMATION FOR SEQ ID NO:1302:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 470 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..470
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597639

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1302:

aacaatgcca attgccagca acccatccat actttcagct gttgatacaa aaagagaaga 60
gagaatggcg gavaacccag agttgagtgg tcttattact caaacaaaaga agaaaaatat 120
agtgc当地 gggaaatggc agtgc当地 tttccccgt ggaggacacg cttaccctta cagcgccttc 180
atcaccccg tccggaaaga agtgc当地 tactgcacca accatacagg catcgtccag 240
cccgtgtgc cgctggagaa gaatgtcccc gagctctggt tctacaccga gctcaaaacg 300
aagaccaggt ccatcacgt cgccatacgt atggacaacc tctaccgtggt cggcttcagg 360
accccccggcg gtgtggtggg agttcgccaa ggacggcgac acccacctcc tcgacgacaa 420

cgccaagtgg ctcggctttg gcggggccgtt accaggacct catcgggcag

(2) INFORMATION FOR SEQ ID NO:1303:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 67 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..67
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597640

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1303:

Thr Met Pro Ile Ala Ser Asn Pro Ser Ile Leu Ser Ala Val Asp Thr
1 5 10 15
Lys Arg Glu Glu Arg Met Ala Xaa Asn Pro Glu Leu Ser Gly Leu Ile
20 25 30
Thr Gln Thr Lys Lys Lys Asn Ile Val Pro Lys Phe Thr Glu Ile Phe
35 40 45
Pro Val Glu Asp Thr Pro Thr Leu Thr Ala Pro Ser Ser Pro Pro Ser
50 55 60
Gly Lys Lys

65

(2) INFORMATION FOR SEQ ID NO:1304:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 66 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..66
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597641

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1304:

Met Pro Ile Ala Ser Asn Pro Ser Ile Leu Ser Ala Val Asp Thr Lys
1 5 10 15
Arg Glu Glu Arg Met Ala Xaa Asn Pro Glu Leu Ser Gly Leu Ile Thr
20 25 30
Gln Thr Lys Lys Lys Asn Ile Val Pro Lys Phe Thr Glu Ile Phe Pro
35 40 45
Val Glu Asp Thr Pro Thr Leu Thr Ala Pro Ser Ser Pro Pro Ser Gly
50 55 60
Lys Lys

65

(2) INFORMATION FOR SEQ ID NO:1305:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 69 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..69
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597642

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1305:

Met Ser Pro Ser Ser Gly Ser Thr Pro Ser Ser Lys Arg Arg Pro Gly
1 5 10 15
Pro Ser Arg Ser Pro Tyr Val Trp Thr Thr Ser Thr Trp Ser Ala Ser
20 25 30

Gly Pro Pro Ala Val Trp Trp Glu Phe Gly Lys Asp Gly Asp Thr His
35 40 45
Leu Leu Asp Asp Asn Ala Lys Trp Leu Gly Phe Gly Gly Pro Val Pro
50 55 60
Gly Pro His Arg Ala
65

(2) INFORMATION FOR SEQ ID NO:1306:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 371 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..371
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597658

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1306:

accaaggaaa	ttcacaaagc	gatactagct	agtccctacc	aaagcatact	tcctgaaaca	60
ctcttgcaat	ccactgagg	ctgtttgtt	agacgcata	agcttagatc	gacaatgtcg	120
ctcgtagggc	gcasaacgt	ttcgacc	cctccatgga	cctctgggac	cccttcgaca	180
ccatgttccg	ctccatcg	ccgtcg	cctccaccaa	ctccgagact	gccgccttc	240
ccagcgcccg	catcgact	aggagacgc	ccgaggcg	cgtttcaag	gccgacactcc	300
ccggcgtcaa	gaagaaagag	gtcaagg	aggtcgagga	cgccaacat	ctggcatca	360
gcggccagcg	c					

(2) INFORMATION FOR SEQ ID NO:1307:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 123 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..123
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597659

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1307:

Thr	Lys	Glu	Ile	His	Lys	Ala	Ile	Leu	Ala	Ser	Pro	Tyr	Gln	Ser	Ile
1							5			10					15
Leu	Pro	Glu	Thr	Leu	Leu	Gln	Ser	Thr	Glu	Phe	Cys	Leu	Leu	Arg	Arg
								20		25				30	
Ile	Glu	Leu	Glu	Ser	Thr	Met	Ser	Leu	Val	Arg	Arg	Xaa	Thr	Cys	Ser
						35		40				45			
Thr	Pro	Ser	Pro	Trp	Thr	Ser	Gly	Thr	Pro	Ser	Thr	Pro	Cys	Ser	Ala
							50		55			60			
Pro	Ser	Ser	Arg	Arg	Arg	Pro	Pro	Pro	Thr	Pro	Arg	Leu	Pro	Pro	Ser
						65		70			75			80	
Pro	Ala	Pro	Ala	Ser	Thr	Gly	Arg	Arg	Arg	Pro	Arg	Arg	Thr	Cys	Ser
						85			90			95			
Arg	Pro	Thr	Ser	Pro	Ala	Ser	Arg	Arg	Lys	Arg	Ser	Arg	Ser		
						100			105			110			
Arg	Thr	Ala	Thr	Cys	Trp	Ser	Ser	Ala	Ala	Ser					
						115			120						

(2) INFORMATION FOR SEQ ID NO:1308:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 85 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide
(B) LOCATION: 1..85
(D) OTHER INFORMATION: / Ceres Seq. ID 1597660
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1308:
Met Ser Leu Val Arg Arg Xaa Thr Cys Ser Thr Pro Ser Pro Trp Thr
1 5 10 15
Ser Gly Thr Pro Ser Thr Pro Cys Ser Ala Pro Ser Ser Arg Arg Arg
20 25 30
Pro Pro Pro Thr Pro Arg Leu Pro Pro Ser Pro Ala Pro Ala Ser Thr
35 40 45
Gly Arg Arg Arg Pro Arg Arg Thr Cys Ser Arg Pro Thr Ser Pro Ala
50 55 60
Ser Arg Arg Lys Arg Ser Arg Ser Arg Thr Ala Thr Cys Trp
65 70 75 80
Ser Ser Ala Ala Ser
85

(2) INFORMATION FOR SEQ ID NO:1309:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 72 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..72
(D) OTHER INFORMATION: / Ceres Seq. ID 1597661
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1309:

Met Asp Leu Trp Asp Pro Phe Asp Thr Met Phe Arg Ser Ile Val Pro
1 5 10 15
Ser Ala Thr Ser Thr Asn Ser Glu Thr Ala Ala Phe Ala Ser Ala Arg
20 25 30
Ile Asp Trp Lys Glu Thr Pro Glu Ala His Val Phe Lys Ala Asp Leu
35 40 45
Pro Gly Val Lys Lys Glu Glu Val Lys Val Glu Val Glu Asp Gly Asn
50 55 60
Met Leu Val Ile Ser Gly Gln Arg
65 70

(2) INFORMATION FOR SEQ ID NO:1310:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 236 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(ix) FEATURE:
(A) NAME/KEY: -
(B) LOCATION: 1..236
(D) OTHER INFORMATION: / Ceres Seq. ID 1597666
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1310:

acgcggaaac cctagcagct caacaccctc gaggtacctc cattcgcagt cggccgtgtc 60
ctcggagccg cgggagatgg cggatcagga gaccgttagct gtggttgagg caccaacccc 120
gtttcttggg gaacgatgga cctgatgact gcctgcarc tcgtcatgaa gaagtcaagg 180
gctcacgatk gcctttgaa gggcttcgt gaggctgcc aagcatcgag aagcat

(2) INFORMATION FOR SEQ ID NO:1311:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 47 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..47
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597667

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1311:

Arg Gly Asn Pro Ser Ser Ser Thr Pro Ser Arg Tyr Leu His Ser Gln
1 5 10 15
Ser Ala Val Ser Ser Glu Pro Arg Glu Met Ala Asp Gln Glu Thr Val
20 25 30
Ala Val Val Glu Ala Pro Thr Pro Val Leu Gly Glu Arg Trp Thr
35 40 45

(2) INFORMATION FOR SEQ ID NO:1312:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 31 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..31
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597668

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1312:

Ala Glu Thr Leu Ala Ala Gln His Pro Arg Gly Thr Ser Ile Arg Ser
1 5 10 15
Arg Pro Cys Pro Arg Ser Arg Gly Arg Trp Arg Ile Arg Arg Pro
20 25 30

(2) INFORMATION FOR SEQ ID NO:1313:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 33 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..33
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597669

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1313:

Met Asp Leu Met Thr Ala Leu Xaa Leu Val Met Lys Lys Ser Gly Ala
1 5 10 15
His Asp Xaa Leu Leu Lys Gly Leu Arg Glu Ala Ala Lys Ala Ser Arg
20 25 30
Ser

(2) INFORMATION FOR SEQ ID NO:1314:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 401 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..401
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597674

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1314:

ttcttgaagt tccggcgccgg cgttaggtac ggcggtgtgc ttgtgatctc aatctcaacc	60
ccaggcgagc tcggctccgg tcacccgtcg atccacgcaa ccatgtcgag gaggaagacc	120
agggagccca aggaggagaa cgttaccctt ggacccactg tccgtgaagg agagttgtb	180
tttgggttg ctcacatctt tgcacatccctc aatgacacacct tcattcatgt cactgatttg	240

tctgggaggg aaacttttgt tcggatcact ggtggcatga aggttaaggc tgatcgat 300
gagtcgtctc cttatgctgc tatgcttgc gcccaagatg ttgcacagcg ttgcaaggag 360
ctcqatca cagcqctgca cattaagctt cgtgccactg g

(2) INFORMATION FOR SEQ ID NO:1315:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 99 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..99
 - (D) OTHER INFORMATION: / C

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1315:

```

Met Ser Arg Arg Lys Thr Arg Glu Pro Lys Glu Glu Asn Val Thr Leu
      5          10          15
1 Gly Pro Thr Val Arg Glu Gly Glu Phe Xaa Phe Gly Val Ala His Ile
      20          25          30
Phe Ala Ser Phe Asn Asp Thr Phe Ile His Val Thr Asp Leu Ser Gly
      35          40          45
Arg Glu Thr Leu Val Arg Ile Thr Gly Gly Met Lys Val Lys Ala Asp
      50          55          60
Arg Asp Glu Ser Ser Pro Tyr Ala Ala Met Leu Ala Ala Gln Asp Val
      65          70          75          80
Ala Gln Arg Cys Lys Glu Leu Gly Ile Thr Ala Leu His Ile Lys Leu
      85          90          95
Arg Ala Thr

```

(2) INFORMATION FOR SEQ ID NO:1316:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 399 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..399
 - (D) OTHER INFORMATION: / C

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1316:

catcaatagc cagtctaat ctcaggtrg gggaaatagg cctcgccgt cgaaaccgc	60
tctctgcgtga tttrggattt cgaggcgct cgagtttca ggttaactat agtttagtga	120
cccatggctc gtactaagca aactgctcgc aagtccactg gagggaaaggc tccwaggaaa	180
caacttgcca ccaaggctgc ccgtaaagtct gcacacctaaa ctggggaggt aaagaagcct	240
caccgttacc gccctggAAC tgTTgtcttt cgtaaatcc gcaagtatca gaagagcact	300
gacctgtca taaggaagct tccgttccaa aggctgtca gggagattkc ccaggatttc	360
aagactgatc ttctgttcca gagccatcg gtgcttgcg	

(2) INFORMATION FOR SEQ ID NO:1317:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 92 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..92
 - (D) OTHER INFORMATION: / C

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1317:

Met Ala Arg Thr Lys Gln Thr Ala Arg Lys Ser Thr Gly Gly Lys Ala

1	5	10	15
Xaa Arg Lys Gln Leu Ala Thr Lys Ala Ala Arg Lys Ser Ala Pro Thr			
20	25	30	
Thr Gly Gly Val Lys Lys Pro His Arg Tyr Arg Pro Gly Thr Val Ala			
35	40	45	
Leu Arg Glu Ile Arg Lys Tyr Gln Lys Ser Thr Asp Leu Leu Ile Arg			
50	55	60	
Lys Leu Pro Phe Gln Arg Leu Val Arg Glu Ile Xaa Gln Asp Phe Lys			
65	70	75	80
Thr Asp Leu Arg Phe Gln Ser His Ala Val Leu Ala			
85	90		

(2) INFORMATION FOR SEQ ID NO:1318:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 493 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..493
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597726

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1318:

gaaggcatct ccaatctcct cgccccccac ggacctgaac cgagaaccgt taccgcccgc	60
gcctctcgcc tagccgcccgg agaagcgccg ctcgctcagg aggacagcca tggcgccgga	120
gccggagatc atattatgaa cgagaagaat ccccgccccgc tcgacgagga tracatcgcg	180
ctcctcaaaa cctatggact gggggccgtat tcgaccagca ttaagaaggt cgagaaggag	240
atcaaggaaa tggccaagaa aatcaacgac ctctgtggga taaaggagtc tgatacaggg	300
ctggctccac ctagccagtg ggatttggtt tcagataaagc agatgatgca agaagaacaa	360
cgcgtacaag tagcaagatg tacaaagatt ataagcccta atacggatga tgccaaatat	420
gttataaatg traacaaat tgcaaagttt gtggtcggat tggagataa ggtctctcca	480
actgatatacg agg	

(2) INFORMATION FOR SEQ ID NO:1319:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 164 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..164
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597727

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1319:

Glu Gly Ile Ser Asn Leu Leu Ala Pro His Gly Pro Glu Pro Arg Thr			
1	5	10	15
Val Thr Ala Ala Ala Ser Arg Leu Ala Ala Gly Glu Ala Pro Leu Ala			
20	25	30	
Gln Glu Asp Ser His Gly Ala Gly Ala Gly Asp Asp Ile Met Asn Glu			
35	40	45	
Lys Asn Pro Arg Pro Leu Asp Glu Asp Xaa Ile Ala Leu Leu Lys Thr			
50	55	60	
Tyr Gly Leu Gly Pro Tyr Ser Thr Ser Ile Lys Lys Val Glu Lys Glu			
65	70	75	80
Ile Lys Glu Met Ala Lys Lys Ile Asn Asp Leu Cys Gly Ile Lys Glu			
85	90	95	
Ser Asp Thr Gly Leu Ala Pro Pro Ser Gln Trp Asp Leu Val Ser Asp			
100	105	110	
Lys Gln Met Met Gln Glu Glu Gln Pro Leu Gln Val Ala Arg Cys Thr			
115	120	125	
Lys Ile Ile Ser Pro Asn Thr Asp Asp Ala Lys Tyr Val Ile Asn Xaa			

130 135 140
Lys Gln Ile Ala Lys Phe Val Val Gly Leu Gly Asp Lys Val Ser Pro
145 150 155 160
Thr Asp Ile Glu

(2) INFORMATION FOR SEQ ID NO:1320:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 119 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..119
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597728

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1320:

Met Asn Glu Lys Asn Pro Arg Pro Leu Asp Glu Asp Xaa Ile Ala Leu
1 5 10 15
Leu Lys Thr Tyr Gly Leu Gly Pro Tyr Ser Thr Ser Ile Lys Lys Val
20 25 30
Glu Lys Glu Ile Lys Glu Met Ala Lys Lys Ile Asn Asp Leu Cys Gly
35 40 45
Ile Lys Glu Ser Asp Thr Gly Leu Ala Pro Pro Ser Gln Trp Asp Leu
50 55 60
Val Ser Asp Lys Gln Met Met Gln Glu Glu Gln Pro Leu Gln Val Ala
65 70 75 80
Arg Cys Thr Lys Ile Ile Ser Pro Asn Thr Asp Asp Ala Lys Tyr Val
85 90 95
Ile Asn Xaa Lys Gln Ile Ala Lys Phe Val Val Gly Leu Gly Asp Lys
100 105 110
Val Ser Pro Thr Asp Ile Glu
115

(2) INFORMATION FOR SEQ ID NO:1321:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 425 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..425
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597732

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1321:

caatgagttg aggagagtgg aacatgttga ccattctaga aagttytgtag agcargctgt	60
aaaggcgatc aagggc当地 agtccggtag accagtccg gagtatgact acctgccata	120
cttctactcc cgatcattcg acctggcgtag gcaattctac ggcgacaacg tggcgaaac	180
tatcctgttt ggccgacagtg accccaccc cagcaagccc aagttccgct cgtactggat	240
caaggacgac aaggcttgg ggc当地 ggaggggcggg tcaccggacg agaacaaggc	300
cattgccaag gtggcgaaaa cccagccccc ggtcgtaac ctcgaggagc tcaagaaggm	360
tggcctccag ttccccc当地 agatctgaga cgstccc当地 ccatgtaaat ttccgtgtca	420

(2) INFORMATION FOR SEQ ID NO:1322:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 128 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:

(A) NAME/KEY: peptide
(B) LOCATION: 1..128
(D) OTHER INFORMATION: / Ceres Seq. ID 1597733
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1322:
Asn Glu Leu Arg Arg Val Glu His Val Asp His Ser Arg Lys Xaa Ala
1 5 10 15
Glu Xaa Ala Val Lys Ala Ile Lys Gly Lys Glu Ser Gly Glu Pro Val
20 25 30
Pro Glu Tyr Asp Tyr Leu Pro Tyr Phe Tyr Ser Arg Ser Phe Asp Leu
35 40 45
Ala Trp Gln Phe Tyr Gly Asp Asn Val Gly Glu Thr Ile Leu Phe Gly
50 55 60
Asp Ser Asp Pro Thr Ser Ser Lys Pro Lys Phe Gly Ser Tyr Trp Ile
65 70 75 80
Lys Asp Gly Lys Val Leu Gly Ala Phe Leu Glu Gly Ser Pro Asp
85 90 95
Glu Asn Lys Ala Ile Ala Lys Val Ala Lys Thr Gln Pro Pro Val Ala
100 105 110
Asn Leu Glu Glu Leu Lys Lys Xaa Gly Leu Gln Phe Ala Ser Lys Ile
115 120 125

(2) INFORMATION FOR SEQ ID NO:1323:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 107 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide
(B) LOCATION: 1..107
(D) OTHER INFORMATION: / Ceres Seq. ID 1597734
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1323:

Met Thr Thr Cys His Thr Ser Thr Pro Asp His Ser Thr Trp Arg Gly
1 5 10 15
Asn Ser Thr Ala Thr Thr Trp Ala Lys Leu Ser Cys Leu Ala Thr Val
20 25 30
Thr Pro Pro Pro Ala Ser Pro Ser Ser Ala Arg Thr Gly Ser Arg Thr
35 40 45
Ala Arg Ser Trp Ala Pro Ser Trp Arg Ala Gly His Arg Thr Arg Thr
50 55 60
Arg Pro Leu Pro Arg Trp Arg Lys Pro Ser Arg Arg Ser Leu Thr Ser
65 70 75 80
Arg Ser Ser Arg Arg Xaa Ala Ser Ser Ser Pro Ala Arg Ser Glu Thr
85 90 95
Xaa Pro Phe His Val Asn Phe Arg Val Ile Val
100 105

(2) INFORMATION FOR SEQ ID NO:1324:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 430 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

(A) NAME/KEY: -
(B) LOCATION: 1..430
(D) OTHER INFORMATION: / Ceres Seq. ID 1597741
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1324:

ataaaaaccctt actaaccgcg ttcctatcc agcgccgcgc gtcgcccggc ccctcctttt

ggtcccgccg tccgtcgagg tcatacatggt gagggtcagt gtgctcaacg atgcgctcaa	120
gtccatgtac aatgcagaga agagggcaa gaggcaggc atgatcaggc cgtcgccaa	180
gtgtatcatc aagttcctga cggtcatgca gcgtcatgga tacattggcg agttcgagta	240
cgtggatgac cacagagctg ggaagattgt ggtggactg aacggcagac taaacaaatg	300
cggtgtaatt agcccccggt ttgatgttgg ggtaaaggaa atcgaaggct ggactgcgag	360
gctgcttccg tctcgccagt ttggctatat cgtgcttaca acctctgcgg gaatttatgga	420
tcacgaggag	

(2) INFORMATION FOR SEQ ID NO:1325:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 115 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..115
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597742

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1325:

Met Val Arg Val Val Leu Asn Asp Ala Leu Lys Ser Met Tyr Asn	
1 5 10 15	
Ala Glu Lys Arg Gly Lys Arg Gln Val Met Ile Arg Pro Ser Ser Lys	
20 25 30	
Val Ile Ile Lys Phe Leu Thr Val Met Gln Arg His Gly Tyr Ile Gly	
35 40 45	
Glu Phe Glu Tyr Val Asp Asp His Arg Ala Gly Lys Ile Val Val Glu	
50 55 60	
Leu Asn Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asp	
65 70 75 80	
Val Gly Val Lys Glu Ile Glu Gly Trp Thr Ala Arg Leu Leu Pro Ser	
85 90 95	
Arg Gln Phe Gly Tyr Ile Val Leu Thr Thr Ser Ala Gly Ile Met Asp	
100 105 110	
His Glu Glu	
115	

(2) INFORMATION FOR SEQ ID NO:1326:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 102 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..102
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597743

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1326:

Met Tyr Asn Ala Glu Lys Arg Gly Lys Arg Gln Val Met Ile Arg Pro	
1 5 10 15	
Ser Ser Lys Val Ile Ile Lys Phe Leu Thr Val Met Gln Arg His Gly	
20 25 30	
Tyr Ile Gly Glu Phe Glu Tyr Val Asp Asp His Arg Ala Gly Lys Ile	
35 40 45	
Val Val Glu Leu Asn Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro	
50 55 60	
Arg Phe Asp Val Gly Val Lys Glu Ile Glu Gly Trp Thr Ala Arg Leu	
65 70 75 80	
Leu Pro Ser Arg Gln Phe Gly Tyr Ile Val Leu Thr Thr Ser Ala Gly	
85 90 95	
Ile Met Asp His Glu Glu	
100	

(2) INFORMATION FOR SEQ ID NO:1327:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 90 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..90
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597744

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1327:

Met Ile Arg Pro Ser Ser Lys Val Ile Ile Lys Phe Leu Thr Val Met
1 5 10 15
Gln Arg His Gly Tyr Ile Gly Glu Phe Glu Tyr Val Asp Asp His Arg
20 25 30
Ala Gly Lys Ile Val Val Glu Leu Asn Gly Arg Leu Asn Lys Cys Gly
35 40 45
Val Ile Ser Pro Arg Phe Asp Val Gly Val Lys Glu Ile Glu Gly Trp
50 55 60
Thr Ala Arg Leu Leu Pro Ser Arg Gln Phe Gly Tyr Ile Val Leu Thr
65 70 75 80
Thr Ser Ala Gly Ile Met Asp His Glu Glu
85 90

(2) INFORMATION FOR SEQ ID NO:1328:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 378 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..378
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597745

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1328:

atcccaactc cacccaaatac caccacggcc ataccagcggt gtccgcgatt ccgtcgagg 60
agaccagtcg agagagcagt cccagacgag aaggaggtaa tatgagttcc ggcggcgcca 120
ggggcaagcc caaggggtcc aaggctgtgt cgccgtcgac caaggctggg ctgcagttcc 180
ccgtcgccgc catcgccgc tacctaagg cgccgaagta cgccgagcgc gtcggcggtg 240
gtgcgcccgt ctacctctcc gccgtccctcg agtatctcgcc ggcagagggtt ttgaaactgg 300
cggcaacgc ggcgcgcgac aacaagaaga accgcatacgat gccgcgccac atccagctcg 360
ccgtgcgcaa cgacgagg

(2) INFORMATION FOR SEQ ID NO:1329:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 125 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..125
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597746

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1329:

Ser His Phe His Pro Asn Pro Pro Pro Tyr Gln Arg Val Arg Asp
1 5 10 15
Ser Val Glu Leu Asp Gln Ser Arg Glu Gln Ser Gln Thr Arg Arg Gly
20 25 30
Glu Tyr Glu Phe Arg Arg Arg Gln Gly Gln Ala Gln Gly Val Gln Gly
35 40 45

Cys Val Ala Val Asp Gln Gly Trp Ala Ala Val Pro Arg Arg Pro His
50 55 60
Arg Ala Leu Pro Gln Gly Gly Gln Val Arg Arg Ala Arg Arg Arg Trp
65 70 75 80
Cys Ala Arg Leu Pro Leu Arg Arg Pro Arg Val Ser Arg Gly Arg Gly
85 90 95
Val Gly Thr Gly Gly Gln Arg Gly Ala Arg Gln Gln Glu Glu Pro His
100 105 110
Arg Ala Ala Pro His Pro Ala Arg Arg Ala Gln Arg Arg
115 120 125

(2) INFORMATION FOR SEQ ID NO:1330:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 92 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..92
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597747

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1330:

Met Ser Ser Gly Gly Arg Gly Lys Pro Lys Gly Ser Lys Ala Val
1 5 10 15
Ser Arg Ser Thr Lys Ala Gly Leu Gln Phe Pro Val Gly Arg Ile Ala
20 25 30
Arg Tyr Leu Lys Ala Gly Lys Tyr Ala Glu Arg Val Gly Gly Ala
35 40 45
Pro Val Tyr Leu Ser Ala Val Leu Glu Tyr Leu Ala Ala Glu Val Leu
50 55 60
Glu Leu Ala Gly Asn Ala Ala Arg Asp Asn Lys Lys Asn Arg Ile Val
65 70 75 80
Pro Arg His Ile Gln Leu Ala Val Arg Asn Asp Glu
85 90

(2) INFORMATION FOR SEQ ID NO:1331:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 456 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (ix) FEATURE:
 - (A) NAME/KEY: -
 - (B) LOCATION: 1..456
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597748
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1331:

ctcttagaacc cttagcgbnc gcccgtctcg ccggccgcgc agccgcccatt gcacggccat 60
gggtatcgat ctcttagccg gggccgcata caagaakacc aagcgcacgg cgcccaagtc 120
cgacgatgtc tacctaaggc tcctctgtcaa gctctaccgc ttcccttgc gcaggacaaa 180
gagcaacttc aacggcgtga tcctcaagcg cctttcatg agcaagacca accgccccgcc 240
gctctcgat ggcgcgcctc gtcaggatca tggaggggaa gggtgatcg atcggcgtga 300
ttgtgggacat cgtgaccgac gacaagagga tcagcgaggat gccggcgatg aagggtctgcg 360
cgctcaggat cactgagaca gcgaggggcca ggatcatcaa tgctggcggaa gagtgccctca 420
ccttcgacca gtcgcgcgtc cgtgccccac ttgggc

(2) INFORMATION FOR SEQ ID NO:1332:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 94 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..94
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597749

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1332:

Ser Arg Thr Leu Ala Xaa Arg Pro Ser Cys Arg Arg Arg Ser Arg His
1 5 10 15
Arg Thr Ala Met Gly Ile Asp Leu Val Ala Gly Gly Arg Asn Lys Xaa
20 25 30
Thr Lys Arg Thr Ala Pro Lys Ser Asp Asp Val Tyr Leu Lys Leu Leu
35 40 45
Val Lys Leu Tyr Arg Phe Leu Val Arg Arg Thr Lys Ser Asn Phe Asn
50 55 60
Ala Val Ile Leu Lys Arg Leu Phe Met Ser Lys Thr Asn Arg Pro Pro
65 70 75 80
Leu Ser Asp Ala Pro Pro Arg Gln Val His Gly Gly Glu Gly
85 90

(2) INFORMATION FOR SEQ ID NO:1333:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 75 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..75
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597750

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1333:

Met Gly Ile Asp Leu Val Ala Gly Gly Arg Asn Lys Xaa Thr Lys Arg
1 5 10 15
Thr Ala Pro Lys Ser Asp Asp Val Tyr Leu Lys Leu Leu Val Lys Leu
20 25 30
Tyr Arg Phe Leu Val Arg Arg Thr Lys Ser Asn Phe Asn Ala Val Ile
35 40 45
Leu Lys Arg Leu Phe Met Ser Lys Thr Asn Arg Pro Pro Leu Ser Asp
50 55 60
Ala Pro Pro Arg Gln Val His Gly Gly Glu Gly
65 70 75

(2) INFORMATION FOR SEQ ID NO:1334:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 69 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..69
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597751

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1334:

Met Arg Arg Leu Val Arg Phe Met Glu Gly Lys Gly Asp Gln Ile Ala
1 5 10 15
Val Ile Val Gly Thr Val Thr Asp Asp Lys Arg Ile Ser Glu Val Pro
20 25 30
Ala Met Lys Val Cys Ala Leu Arg Phe Thr Glu Thr Ala Arg Ala Arg
35 40 45
Ile Ile Asn Ala Gly Gly Glu Cys Leu Thr Phe Asp Gln Leu Ala Leu
50 55 60
Arg Ala Pro Leu Gly
65

(2) INFORMATION FOR SEQ ID NO:1335:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 294 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..294
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597752

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1335:

gttgttttgt	tcttcggaa	acgagacag	actaggcgac	gcgasgtyag	ggagtcgagg	60
aggatcgaaa	ctcaggcaag	atgaacagga	agccaggaga	ctgggactgc	agggcgtgcc	120
ancaccta	cttcagccgc	cgagacatat	gccagckctg	tagcgagcca	cgtggagttg	180
ctgatcg	tggcagtg	cagtggcg	ggcggaggag	gaggaggagg	cgactacgca	240
ggccgcgg	gttcctc	tttgcggc	tttgggcg	ctgtggctct	acgt	

(2) INFORMATION FOR SEQ ID NO:1336:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 53 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..53
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597753

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1336:

Leu	Phe	Cys	Ser	Cys	Gly	Asn	Glu	Thr	Arg	Leu	Gly	Asp	Ala	Xaa	Xaa		
1																	
														10	15		
Gly	Ser	Arg	Gly	Gly	Ser	Gly	Leu	Arg	Gln	Asp	Glu	Gln	Glu	Ala	Arg		
														20	25	30	
Arg	Leu	Gly	Leu	Gln	Gly	Val	Pro	Xaa	Pro	Gln	Leu	Gln	Pro	Pro	Arg		
															35	40	45
His	Met	Pro	Xaa	Leu													
															50		

(2) INFORMATION FOR SEQ ID NO:1337:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 71 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..71
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597754

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1337:

Met	Asn	Arg	Lys	Pro	Gly	Asp	Trp	Asp	Cys	Arg	Ala	Cys	Xaa	His	Leu		
1																	
															5	10	15
Asn	Phe	Ser	Arg	Arg	Asp	Ile	Cys	Gln	Cys	Ser	Glu	Pro	Arg	Gly			
															20	25	30
Val	Ala	Asp	Arg	Gly	Ser	Gly	Asp										
															35	40	45
Tyr	Ala	Ser	Phe	Arg	Trp	Pro	Arg	Trp	Leu	Leu	Leu	Arg	Arg	Arg	Leu		
															50	55	60
Trp	Ala	Leu	Leu	Ala	Leu	Thr											
															65	70	

(2) INFORMATION FOR SEQ ID NO:1338:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 442 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: DNA (genomic)
(ix) FEATURE:
(A) NAME/KEY: -
(B) LOCATION: 1..442
(D) OTHER INFORMATION: / Ceres Seq. ID 1597755
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1338:
cttttaacct cgcggccca tccgacgccc atctgctcca ccctccaccc agccgccc 60
gcccggcct aaggagaaga gggtcccgcc gtctccttgc cccgatggcg tccgagaaga 120
agcagtccaa cccgatgcgg gagatcaagg tgcagaagct ggtcctcaac atatccgtag 180
ggagagcggc gaccgcctca cccgcgcgc caaggtgctg gagcagctca gcccagacc 240
cccggtttct ccaaggcgag gtacacgttg cgctcggtcg gcattccggcg taacgagaag 300
atcgccctgtc acgtcacggt caggggcac aaggccatgc agctgcttga gagcggcctc 360
aaggtaagg agtacgagct gctcaggagg aacttcagcg acaccggctg ctgcgggttc 420
ggcatccagg agcacatcga cc
(2) INFORMATION FOR SEQ ID NO:1339:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 96 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..96
(D) OTHER INFORMATION: / Ceres Seq. ID 1597756
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1339:
Phe Asn Leu Ala Pro Pro Ser Asp Ala His Leu Leu His Pro Pro Pro
1 5 10 15
Ser Arg Arg Arg Arg Arg Leu Arg Arg Arg Gly Ser Gly Arg Leu Leu
20 25 30
Ala Pro Met Ala Ser Glu Lys Lys Gln Ser Asn Pro Met Arg Glu Ile
35 40 45
Lys Val Gln Lys Leu Val Leu Asn Ile Ser Val Gly Arg Ala Ala Thr
50 55 60
Ala Ser Pro Ala Pro Pro Arg Cys Trp Ser Ser Ser Ala Pro Asp Pro
65 70 75 80
Arg Leu Leu Gln Gly Glu Val His Gly Ala Leu Val Arg His Pro Ala
85 90 95

(2) INFORMATION FOR SEQ ID NO:1340:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 62 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: peptide
(ix) FEATURE:
(A) NAME/KEY: peptide
(B) LOCATION: 1..62
(D) OTHER INFORMATION: / Ceres Seq. ID 1597757
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1340:
Met Ala Ser Glu Lys Lys Gln Ser Asn Pro Met Arg Glu Ile Lys Val
1 5 10 15
Gln Lys Leu Val Leu Asn Ile Ser Val Gly Arg Ala Ala Thr Ala Ser
20 25 30
Pro Ala Pro Pro Arg Cys Trp Ser Ser Ser Ala Pro Asp Pro Arg Leu

35 40 45

Leu Gln Gly Glu Val His Gly Ala Leu Val Arg His Pro Ala
50 55 60

(2) INFORMATION FOR SEQ ID NO:1341:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 52 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..52

(D) OTHER INFORMATION: / Ceres Seq. ID 1597758

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1341:

Met Arg Glu Ile Lys Val Gln Lys Leu Val Leu Asn Ile Ser Val Gly
1 5 10 15
Arg Ala Ala Thr Ala Ser Pro Ala Pro Pro Arg Cys Trp Ser Ser Ser
20 25 30
Ala Pro Asp Pro Arg Leu Leu Gln Gly Glu Val His Gly Ala Leu Val
35 40 45

Arg His Pro Ala

50

(2) INFORMATION FOR SEQ ID NO:1342:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 422 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

(A) NAME/KEY: -

(B) LOCATION: 1..422

(D) OTHER INFORMATION: / Ceres Seq. ID 1597797

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1342:

atcgccccgc gaacccttagc tcccgcaact gcccggcca ctcacgct cgccaggcatg 60
ccggcccaagc tcgaccggtc gcagggtgtg gaggtgttcg tccgtgtgac cggcgccgag 120
gtcgccgcac gtcttcgctg gcccccaaga tcggcccgct cggctttcc cccaagaaga 180
tcggagagga catcgccaag gagacggcca aggactggaa gggcctccgc gtcaccgtca 240
agctcacccgt ccagaaccgg cagccaaagg ctccgtcgtc ccctccgccc cggcgctcg 300
catcaaggcg ctcaaggagc cagagagggc ccgcaagaag gtcaagaaca tcaaggcacag 360
cgncaacatc agcctcgacg acgtcatcga gatgccagg accatgaggc acaggtccat 420
gg

(2) INFORMATION FOR SEQ ID NO:1343:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 140 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS:
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..140

(D) OTHER INFORMATION: / Ceres Seq. ID 1597798

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1343:

Ile Ala Pro Arg Thr Leu Ala Pro Ala Thr Ala Ala Ala Thr Pro Thr
1 5 10 15

Leu Ala Ala Met Pro Pro Lys Leu Asp Pro Ser Gln Val Val Glu Val
20 25 30

Phe Val Arg Val Thr Gly Gly Glu Val Gly Ala Arg Leu Arg Trp Pro
35 40 45

Pro Arg Ser Ala Arg Ser Val Phe Pro Pro Arg Arg Ser Glu Arg Thr
50 55 60
Ser Pro Arg Arg Arg Pro Arg Thr Gly Arg Ala Ser Ala Ser Pro Ser
65 70 75 80
Ser Ser Pro Ser Arg Thr Gly Ser Gln Gly Leu Arg Arg Pro Leu Arg
85 90 95
Arg Gly Ala Arg His Gln Gly Ala Gln Gly Ala Arg Glu Gly Pro Gln
100 105 110
Glu Gly Gln Glu His Gln Ala Gln Xaa Gln His Gln Pro Arg Arg Arg
115 120 125
His Arg Asp Arg Gln Asp His Glu Ala Gln Val His
130 135 140

(2) INFORMATION FOR SEQ ID NO:1344:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 134 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..134
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597799

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1344:

Arg Pro Ala Asn Pro Ser Ser Arg Asn Cys Arg Arg His Ser His Ala
1 5 10 15
Arg Ser His Ala Ala Gln Ala Arg Pro Val Ala Gly Gly Gly Val
20 25 30
Arg Pro Cys Asp Arg Arg Arg Gly Arg Arg Thr Ser Ser Leu Ala Pro
35 40 45
Lys Ile Gly Pro Leu Gly Leu Ser Pro Lys Lys Ile Gly Glu Asp Ile
50 55 60
Ala Lys Glu Thr Ala Lys Asp Trp Lys Gly Leu Arg Val Thr Val Lys
65 70 75 80
Leu Thr Val Gln Asn Arg Gln Pro Arg Ser Pro Ser Ser Pro Pro Pro
85 90 95
Arg Arg Ser Ser Arg Arg Ser Arg Ser Gln Arg Gly Thr Ala Arg
100 105 110
Arg Ser Arg Thr Ser Ser Thr Ala Xaa Thr Ser Ala Ser Thr Thr Ser
115 120 125
Ser Arg Ser Pro Gly Pro
130

(2) INFORMATION FOR SEQ ID NO:1345:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 121 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (ix) FEATURE:
 - (A) NAME/KEY: peptide
 - (B) LOCATION: 1..121
 - (D) OTHER INFORMATION: / Ceres Seq. ID 1597800

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1345:

Met Pro Pro Lys Leu Asp Pro Ser Gln Val Val Glu Val Phe Val Arg
1 5 10 15
Val Thr Gly Gly Val Gly Ala Arg Leu Arg Trp Pro Pro Arg Ser
20 25 30
Ala Arg Ser Val Phe Pro Pro Arg Arg Ser Glu Arg Thr Ser Pro Arg
35 40 45
Arg Arg Pro Arg Thr Gly Arg Ala Ser Ala Ser Pro Ser Ser Ser Pro

50	55	60
Ser Arg Thr Gly Ser Gln Gly Leu Arg Arg Pro Leu Arg Arg Gly Ala		
65	70	75
Arg His Gln Gly Ala Gln Gly Ala Arg Glu Gly Pro Gln Glu Gly Gln		80
85	90	95
Glu His Gln Ala Gln Xaa Gln His Gln Pro Arg Arg Arg His Arg Asp		
100	105	110
Arg Gln Asp His Glu Ala Gln Val His		
115	120	

(2) INFORMATION FOR SEQ ID NO:1346:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 483 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

- (A) NAME/KEY: -
- (B) LOCATION: 1..483
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597805

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1346:

aaaaccctag	ccgcctgcyt	ctccttcctcc	agagctcgta	gccacccggcc	accgcccaccc	60
tgcgtacacgc	cgtccgtcga	ggtaagggtca	gcatggtgag	ggtcagtgtg	ctcaaacatgt	120
cgcgtcaaggc	catgtacaac	gctgagaaga	tcggcaagag	gcagggtcatg	atcaggccgt	180
cgtccaaagg	catcatcaag	ttccctgacgg	tcatgcagcg	ccacggctac	attggagagt	240
tcgagtagt	tgatgaccac	cgatcggtca	agatcggtgt	cgaactcaac	gggaggctga	300
acaagtgcgg	cgtcatcagc	cctcgcttgc	atatcggcgt	gaaagacatt	gagggatgga	360
ctgcaagctg	ctcccggtcca	ggcagttcgg	atacatcgta	ctcacaaactt	cggcaggcat	420
catggaccac	gaggaggccc	gccggaagag	cgtaggaggc	aaggttctag	gtttcttcta	480

tttg

(2) INFORMATION FOR SEQ ID NO:1347:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 150 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: peptide
- (B) LOCATION: 1..150
- (D) OTHER INFORMATION: / Ceres Seq. ID 1597806

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1347:

Asn Pro Ser Arg Leu Xaa Leu Leu Gln Ser Ser Ser Pro Pro Ala			
1	5	10	15
Thr Ala Thr Leu Asp His Ala Val Arg Arg Gly Lys Val Ser Met Val			
20	25	30	
Arg Val Ser Val Leu Asn Asp Ala Leu Lys Ser Met Tyr Asn Ala Glu			
35	40	45	
Lys Ile Gly Lys Arg Gln Val Met Ile Arg Pro Ser Ser Lys Val Ile			
50	55	60	
Ile Lys Phe Leu Thr Val Met Gln Arg His Gly Tyr Ile Gly Glu Phe			
65	70	75	80
Glu Tyr Val Asp Asp His Arg Ser Gly Lys Ile Val Val Glu Leu Asn			
85	90	95	
Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asp Ile Gly			
100	105	110	
Val Lys Asp Ile Glu Gly Trp Thr Ala Ser Cys Ser Arg Pro Gly Ser			
115	120	125	
Ser Asp Thr Ser Ser Ser Gln Leu Arg Gln Ala Ser Trp Thr Thr Arg			
130	135	140	
Arg Pro Ala Gly Arg Ala			

145 150

(2) INFORMATION FOR SEQ ID NO:1348:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 120 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..120

(D) OTHER INFORMATION: / Ceres Seq. ID 1597807

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1348:

Met Val Arg Val Ser Val Leu Asn Asp Ala Leu Lys Ser Met Tyr Asn
1 5 10 15
Ala Glu Lys Ile Gly Lys Arg Gln Val Met Ile Arg Pro Ser Ser Lys
20 25 30
Val Ile Ile Lys Phe Leu Thr Val Met Gln Arg His Gly Tyr Ile Gly
35 40 45
Glu Phe Glu Tyr Val Asp Asp His Arg Ser Gly Lys Ile Val Val Glu
50 55 60
Leu Asn Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asp
65 70 75 80
Ile Gly Val Lys Asp Ile Glu Gly Trp Thr Ala Ser Cys Ser Arg Pro
85 90 95
Gly Ser Ser Asp Thr Ser Ser Gln Leu Arg Gln Ala Ser Trp Thr
100 105 110
Thr Arg Arg Pro Ala Gly Arg Ala
115 120

(2) INFORMATION FOR SEQ ID NO:1349:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 107 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

(A) NAME/KEY: peptide

(B) LOCATION: 1..107

(D) OTHER INFORMATION: / Ceres Seq. ID 1597808

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1349:

Met Tyr Asn Ala Glu Lys Ile Gly Lys Arg Gln Val Met Ile Arg Pro
1 5 10 15
Ser Ser Lys Val Ile Ile Lys Phe Leu Thr Val Met Gln Arg His Gly
20 25 30
Tyr Ile Gly Glu Phe Glu Tyr Val Asp Asp His Arg Ser Gly Lys Ile
35 40 45
Val Val Glu Leu Asn Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro
50 55 60
Arg Phe Asp Ile Gly Val Lys Asp Ile Glu Gly Trp Thr Ala Ser Cys
65 70 75 80
Ser Arg Pro Gly Ser Ser Asp Thr Ser Ser Gln Leu Arg Gln Ala
85 90 95
Ser Trp Thr Thr Arg Arg Pro Ala Gly Arg Ala
100 105

(2) INFORMATION FOR SEQ ID NO:1350:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 133 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear